

Return Address:  
Chevron U.S.A  
1200 State Street  
Perth Amboy, NJ 08861

\_\_\_\_\_  
Instrument Number

## DEED NOTICE

IN ACCORDANCE WITH N.J.S.A. 58:10B-13, THIS DOCUMENT IS TO BE  
RECORDED IN THE SAME MANNER AS ARE DEEDS AND OTHER INTERESTS IN  
REAL PROPERTY.

Prepared by: \_\_\_\_\_  
[Signature]

\_\_\_\_\_  
[Print name below signature]

Recorded by: \_\_\_\_\_  
[Signature, Officer of County Recording Office]

\_\_\_\_\_  
[Print name below signature]

## DEED NOTICE

This Deed Notice is made as of the \_\_\_\_ day of \_\_\_\_, \_\_\_\_, by *CHEVRON OIL CO.*  
(together with their successors and assigns, collectively "Owner").

1. THE PROPERTY. CHEVRON OIL CO. is the owner in fee simple of certain real property designated as Block 478.01 Lots 1, 2, 3, and 1.02, Block 478.02 Lots 2, 2.01 on the tax map of the City of Perth Amboy, Middlesex County and Block 523 Lots 3.01, 3.02, 3.03, and 3.04 on the tax map of the Township of Woodbridge, Middlesex County; the New Jersey Department of Environmental Protection Program Interest Number (Preferred ID) for the contaminated site which includes this property is 003621; and the property is more particularly described in Exhibit A, which is attached hereto and made a part hereof (the "Property").

### 2. REMEDIATION.

i. The Bureau of Case Management of the New Jersey Department of Environmental Protection program has approved this Deed Notice as an institutional control for the Property, which is part of the remediation of the Property.

ii. N.J.A.C. 7:26C-7 requires the Owner, among other persons, to obtain a soil remedial action permit for the soil remedial action at the Property. That permit will contain the monitoring, maintenance and biennial certification requirements that apply to the Property.

3. SOIL CONTAMINATION. CHEVRON OIL CO. have remediated contaminated soil at the Property, such that soil contamination remains at certain areas of the Property that contains contaminants in concentrations that do not allow for the unrestricted use of the Property. Such soil contamination is described, including the type, concentration and specific location of such contamination, and the existing engineering controls on the site are described, in Exhibit B, which is attached hereto and made a part hereof. As a result, there is a statutory requirement for this Deed Notice and engineering controls in accordance with N.J.S.A. 58:10B-13.

4. CONSIDERATION. In accordance with the remedial action for the site which included the Property, and in consideration of the terms and conditions of that remedial action, and other good and valuable consideration, Owner has agreed to subject the Property to certain statutory and regulatory requirements that impose restrictions upon the use of the Property, to restrict certain uses of the Property, and to provide notice to subsequent owners, lessors, lessees and operators of the Property of the restrictions and the monitoring, maintenance, and biennial certification requirements outlined in this Deed Notice and required by law, as set forth herein.

5A. RESTRICTED AREAS. Due to the presence of contamination remaining at concentrations that do not allow for unrestricted use, the Owner has agreed, as part of the remedial action for the Property, to restrict the use of certain parts of the Property (the "Restricted Areas"); a narrative description of these restrictions is provided in Exhibit C, which is attached hereto and made a part hereof. The Owner has also agreed to maintain a list of these restrictions on site for inspection by governmental officials.

5B. RESTRICTED LAND USES. The following statutory land use restrictions apply to the Restricted Areas:

i. The Brownfield and Contaminated Site Remediation Act, N.J.S.A. 58:10B-12.g(10), prohibits the conversion of a contaminated site, remediated to non-residential soil remediation standards that require the maintenance of engineering or institutional controls, to a child care facility, or public, private, or charter school without the Department's prior written approval, unless a presumptive remedy is implemented; and

ii. The Brownfield and Contaminated Site Remediation Act, N.J.S.A. 58:10B-12.g(12), prohibits the conversion of a landfill, with gas venting systems and or leachate collection systems, to a single family residence or a child care facility.

5C. ENGINEERING CONTROLS. Due to the presence and concentration of these contaminants, the Owner has also agreed, as part of the remedial action for the Property, to the placement of certain engineering controls on the Property; a narrative description of these engineering controls is provided in Exhibit C.

#### 6A. CHANGE IN OWNERSHIP AND REZONING.

i. The Owner and the subsequent owners, lessors, and lessees, shall cause all leases, grants, and other written transfers of an interest in the Restricted Areas to contain a provision expressly requiring all holders thereof to take the Property subject to the restrictions contained herein and to comply with all, and not to violate any of the conditions of this Deed Notice. Nothing contained in this Paragraph shall be construed as limiting any obligation of any person to provide any notice required by any law, regulation, or order of any governmental authority.

ii. The Owner and the subsequent owners shall provide written notice to the Department of Environmental Protection on a form provided by the Department and available at [www.nj.gov/srp/forms](http://www.nj.gov/srp/forms) within 30 calendar days after the effective date of any conveyance, grant, gift, or other transfer, in whole or in part, of the Owner's or subsequent owner's interest in the Restricted Area.

iii. The Owner and the subsequent owners shall provide written notice to the Department, on a form available from the Department at [www.nj.gov/srp/forms](http://www.nj.gov/srp/forms), within thirty (30) calendar days after the owner's petition for or filing of any document initiating a rezoning of the Property to residential.

6B. SUCCESSORS AND ASSIGNS. This Deed Notice shall be binding upon Owner and upon Owner's successors and assigns, and subsequent owners, lessors, lessees and operators while each is an owner, lessor, lessee, or operator of the Property.

#### 7A. ALTERATIONS, IMPROVEMENTS, AND DISTURBANCES.

i. The Owner and all subsequent owners, lessors, and lessees shall notify any person, including, without limitation, tenants, employees of tenants, and contractors, intending to conduct invasive work or excavate within the Restricted Areas, of the nature and location of contamination in the Restricted Areas, and, of the precautions necessary to minimize potential human exposure to contaminants.

ii. Except as provided in Paragraph 7B, below, no person shall make, or allow to be made, any alteration, improvement, or disturbance in, to, or about the Property which disturbs any engineering control at the Property without first retaining a licensed site remediation professional. Nothing herein shall constitute a waiver of the obligation of any person to comply with all applicable laws and regulations including, without limitation, the applicable rules of the Occupational Safety and Health Administration.

iii. A soil remedial action permit modification is required for any permanent alteration, improvement, or disturbance and the owner, lessor, lessee or operator shall submit the following within 30 days after the occurrence of the permanent alteration, improvement, or disturbance:

(A) A Remedial Action Workplan or Linear Construction Project notification and Final Report Form, whichever is applicable;

(B) A Remedial Action Report and Termination of Deed Notice Form; and

(C) A revised recorded Deed Notice with revised Exhibits, and Remedial Action Permit Modification or Remedial Action Permit Termination form and Remedial Action Report.

iv. No owner, lessor, lessee or operator shall be required to obtain a Remedial Action Permit Modification for any temporary alteration, improvement, or disturbance, provided that the site is restored to the condition described in the Exhibits to this Deed Notice, and the owner, lessee, or operator complies with the following:

(A) Restores any disturbance of an engineering control to pre-disturbance conditions within 60 calendar days after the initiation of the alteration, improvement or disturbance;

(B) Ensures that all applicable worker health and safety laws and regulations are followed during the alteration, improvement, or disturbance, and during the restoration;

(C) Ensures that human exposure to contamination in excess of the remediation standards does not occur; and

(D) Describes, in the next biennial certification the nature of the temporary alteration, improvement, or disturbance, the dates and duration of the temporary alteration, improvement, or disturbance, the name of key individuals and their affiliations conducting the temporary alteration, improvement, or disturbance, the notice the Owner gave to those persons prior to the disturbance.

7B. EMERGENCIES. In the event of an emergency which presents, or may present, an unacceptable risk to the public health and safety, or to the environment, or an immediate environmental concern, see N.J.S.A. 58:10C-2, any person may temporarily breach an engineering control provided that that person complies with each of the following:

i. Immediately notifies the Department of Environmental Protection of the emergency, by calling the DEP Hotline at 1-877-WARNDEP or 1-877-927-6337;

ii. Hires a Licensed Site Remediation Professional (unless the Restricted Areas includes an unregulated heating oil tank) to respond to the emergency;

iii. Limits both the actual disturbance and the time needed for the disturbance to the minimum reasonably necessary to adequately respond to the emergency;

iv. Implements all measures necessary to limit actual or potential, present or future risk of exposure to humans or the environment to the contamination;

v. Notifies the Department of Environmental Protection when the emergency or immediate environmental concern has ended by calling the DEP Hotline at 1-877-WARNDEP or 1-877-927-6337; and

vi. Restores the engineering control to the pre-emergency conditions as soon as possible; and

vii. Submits to the Department of Environmental Protection within 60 calendar days after completion of the restoration of the engineering control, a report including: (a) the nature and likely cause of the emergency; (b) the measures that have been taken to mitigate the effects of the emergency on human health and the environment; (c) the measures completed or implemented to restore the engineering control; and (d) any changes to the engineering control or site operation and maintenance plan to prevent reoccurrence of such conditions in the future.

#### 8. TERMINATION OF DEED NOTICE.

i. This Deed Notice may be terminated only upon recording a Department-approved Termination of Deed Notice, available at N.J.A.C. 7:26C Appendix C, with the office of the County Clerk of Middlesex County, New Jersey, expressly terminating this Deed Notice.

ii. Within 30 calendar days after recording a Department-approved Termination of Deed Notice, the owner of the property should apply to the Department for termination of the soil remedial action permit pursuant to N.J.A.C. 7:26C-7.

9. ACCESS. The Owner, and the subsequent owners, lessors, lessees, and operators agree to allow the Department, its agents and representatives access to the Property to inspect and evaluate the continued protectiveness of the remedial action that includes this Deed Notice and to conduct additional remediation to ensure the protection of the public health and safety and of the environment if the subsequent owners, lessors, lessees, and operators, during their ownership, tenancy, or operation, and the Owner fail to conduct such remediation pursuant to this Deed Notice as required by law. The Owner, and the subsequent owners, lessors, and lessees, shall also cause all leases, subleases, grants, and other written transfers of an interest in the Restricted Areas to contain a provision expressly requiring that all holders thereof provide such access to the Department.

#### 10. ENFORCEMENT OF VIOLATIONS.

i. This Deed Notice itself is not intended to create any interest in real estate in favor of the Department of Environmental Protection, nor to create a lien against the Property, but merely is intended to provide notice of certain conditions and restrictions on the Property and to reflect the regulatory and statutory obligations imposed as a conditional remedial action for this site.

ii. The restrictions provided herein may be enforceable solely by the Department against any person who violates this Deed Notice. To enforce violations of this Deed Notice, the

Department may initiate one or more enforcement actions pursuant to N.J.S.A. 58:10-23.11, and N.J.S.A. 58:10C, and require additional remediation and assess damages pursuant to N.J.S.A. 58:10-23.11, and N.J.S.A. 58:10C.

11. SEVERABILITY. If any court of competent jurisdiction determines that any provision of this Deed Notice requires modification, such provision shall be deemed to have been modified automatically to conform to such requirements. If a court of competent jurisdiction determines that any provision of this Deed Notice is invalid or unenforceable and the provision is of such a nature that it cannot be modified, the provision shall be deemed deleted from this instrument as though the provision had never been included herein. In either case, the remaining provisions of this Deed Notice shall remain in full force and effect.

12A. EXHIBIT A. Exhibit A includes the following maps of the Property and the vicinity:

i. Exhibit A-1: Vicinity Map - A map that identifies by name the roads, and other important geographical features in the vicinity of the Property (for example, USGS Quad map, Hagstrom County Maps);

ii. Exhibit A-2: Metes and Bounds Description - A tax map of lots and blocks as wells as metes and bounds description of the Property, including reference to tax lot and block numbers for the Property;

iii. Exhibit A-3: Property Map - A scaled map of the Property, scaled at one inch to 200 feet or less, and if more than one map is submitted, the maps shall be presented as overlays, keyed to a base map; and the Property Map shall include diagrams of major surface topographical features such as buildings, roads, and parking lots.

12B. EXHIBIT B. Exhibit B includes the following descriptions of the Restricted Areas:

i. Exhibit B-1: Restricted Area Map -- A separate map for each restricted area that includes:

(A) As-built diagrams of each engineering control, including caps, fences, slurry walls, (and, if any) ground water monitoring wells, extent of the ground water classification exception area, pumping and treatment systems that may be required as part of a ground water engineering control in addition to the deed notice;

(B) As-built diagrams of any buildings, roads, parking lots and other structures that function as engineering controls; and

(C) Designation of all soil and all upland sediment sample locations within the restricted areas that exceed any soil standard that are keyed into one of the tables described in the following paragraph.

ii. Exhibit B-2: Restricted Area Data Table - A separate table for each restricted area that includes either (A) or (B) through (F):

(A) Only for historic fill extending over the entire site or a portion of the site and for which analytical data are limited or do not exist, a narrative that states that historic fill is present at the site, a description of the fill material (e.g., ash, cinders, brick, dredge material), and a statement that such material may include, but is not limited to, contaminants such as PAHs and metals;

(B) Sample location designation from Restricted Area map (Exhibit B-1);

(C) Sample elevation based upon mean sea level;

(D) Name and chemical abstract service registry number of each contaminant with a concentration that exceeds the unrestricted use standard;

(E) The restricted and unrestricted use standards for each contaminant in the table;  
and

(F) The remaining concentration of each contaminant at each sample location at each elevation.

12C. EXHIBIT C. Exhibit C includes narrative descriptions of the institutional controls and engineering controls as follows:

i. Exhibit C-1: Deed Notice as Institutional Control: Exhibit C-1 includes a narrative description of the restriction and obligations of this Deed Notice that are in addition to those described above, as follows:

(A) Description and estimated size in acres of the Restricted Areas as described above;

(B) Description of the restrictions on the Property by operation of this Deed Notice;  
and

(C) The objective of the restrictions.

ii. Exhibit C-2: Fencing: Exhibit C-2 includes a narrative description of fencing as follows:

(A) Description of the engineering control;

(B) The objective of the engineering control; and

(C) How the engineering control is intended to function.

iii. Exhibit C-3: Physical Barriers: Exhibit C-3 includes a narrative description of Physical Barriers as follows:

- (A) Description of the engineering control;
- (B) The objective of the engineering control; and
- (C) How the engineering control is intended to function.

iv. Exhibit C-4: Signage: Exhibit C-4 includes a narrative description of signage as follows:

- (A) Description of the engineering/institutional control;
- (B) The objective of the engineering/institutional control; and
- (C) How the engineering/institutional control is intended to function.

13. SIGNATURES. IN WITNESS WHEREOF, Owner has executed this Deed Notice as of the date first written above.

ATTEST: CHEVRON OIL CO.

\_\_\_\_\_ By \_\_\_\_\_

\_\_\_\_\_  
[Print name and title]

\_\_\_\_\_  
[Signature]

STATE OF [State where document is executed] SS.:  
COUNTY OF [County where document is executed]

I certify that on \_\_\_\_\_, 20\_\_, [Name of person executing document on behalf of Owner] personally came before me, and this person acknowledged under oath, to my satisfaction, that:

(a) this person is the [secretary/assistant secretary] of [Owner], the corporation named in this document;

(b) this person is the attesting witness to the signing of this document by the proper corporate officer who is the [president/vice president] of the corporation;

(c) this document was signed and delivered by the corporation as its voluntary act and was duly authorized;

(d) this person knows the proper seal of the corporation which was affixed to this document; and



(e) this person signed this proof to attest to the truth of these facts.

\_\_\_\_\_  
[Signature]

\_\_\_\_\_  
[Print name and title of attesting witness]

Signed and sworn before me on \_\_\_\_\_, 20\_\_

\_\_\_\_\_, Notary Public

\_\_\_\_\_  
COUNTY OF [County where document is executed]

:

(a)

(c)[Signature]

\_\_\_\_\_, Notary Public  
[Print name and title]

## **Exhibit A**

### **Location and Description of Property**

Exhibit A-1: Vicinity Map

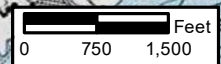
Exhibit A-2: Metes and Bounds Description

Exhibit A-3: Property Maps

**Exhibit A-1: Vicinity Map**

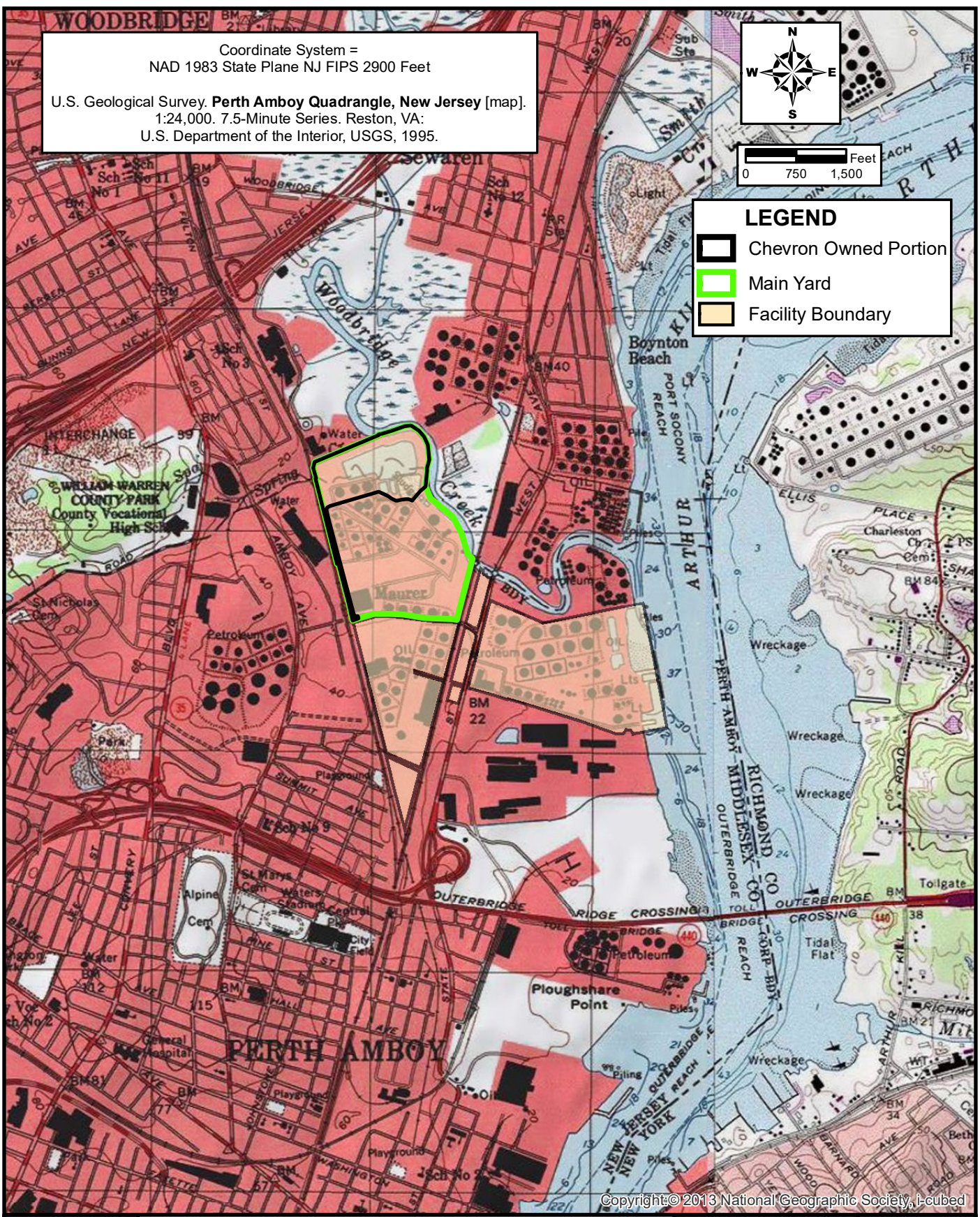


Coordinate System =  
 NAD 1983 State Plane NJ FIPS 2900 Feet  
 U.S. Geological Survey. **Perth Amboy Quadrangle, New Jersey** [map].  
 1:24,000. 7.5-Minute Series. Reston, VA:  
 U.S. Department of the Interior, USGS, 1995.



**LEGEND**

- Chevron Owned Portion
- Main Yard
- Facility Boundary



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**SITE LOCATION ON A USGS MAP  
 (CHEVRON PROPERTY)**

**MAIN YARD DEED NOTICE**

DATE: 4/27/2020	DWN: CO
PROJECT #: 451534-39200	CHKD: SRB
	FIG #: 1

Path: D:\Projects\Chevron\DMIS\Projects\MiscMain Yard Deed Notice\Figures\USGS Map.mxd



**Exhibit A-2: Metes and Bounds Description**

**Description of Property**  
**Lot 2 and Lot 2.01 Block 478.02 City of Perth Amboy and**  
**Proposed Lot 3.01 Block 523 Woodbridge Township**  
**Middlesex County, New Jersey**

BEGINNING on the northerly right of way line of Maurer Road, a 40 foot wide public road, where it intersects the easterly right of way line of Conrail – U.N.J.R.R. & C. Co. Perth Amboy & Woodbridge Branch, 100 feet wide, said point being witnessed by a Borbas Surveying and Mapping capped iron pipe set and having a NJ State Plane NAD83 grid coordinate North = 620,518.16, East = 556,339.11 U.S. Survey Feet; and runs thence

- 1) On said easterly line of said Conrail, 100 feet wide and 3<sup>rd</sup> course reversed of Tract 12 described in Deed Book 1326 Page 1, North 14 degrees 18 minutes 30 seconds West, 871.06 feet to a point being witnessed by a Borbas Surveying and Mapping capped iron pipe set; thence
- 2) Still on the easterly line of Conrail and on the 2<sup>nd</sup> course reversed of Tract 12 described in Deed Book 1326 Page 1, South 75 degrees 41 minutes 30 seconds West, 17.00 feet to a point being witnessed by a Borbas Surveying and Mapping capped iron pipe set on the easterly right of way line of Conrail; thence
- 3) Still on the easterly right of way line of Conrail and partly on the 1<sup>st</sup> course reversed of Tract 12 described in Deed Book 1326 Page 1, North 14 degrees 18 minutes 30 seconds West 1,187.14 feet to the Southwesterly corner of proposed Tract D; thence the following 11 courses are on new lines through existing Tax Lot 1 Block 478.02
- 4) Leaving said Conrail right of way, North 75 degrees 39 minutes 07 seconds East 497.47 feet to a point on the southerly line of an existing Conservation Easement recorded in Deed Book 6192 Page 822; thence the following 9 courses on said southerly lines of existing conservation easement.
- 5) North 74 degrees 32 minutes 20 seconds East 387.63 feet to a point; thence
- 6) South 74 degrees 19 minutes 01 seconds East 24.34 feet to a point; thence
- 7) South 52 degrees 37 minutes 24 seconds East 45.47 feet to a point; thence
- 8) Southeasterly on a curve to the left not tangent to the previous course, having a radius of 50.00 feet, a central angle of 60 degrees 46 minutes 21 seconds, a chord of South 11 degrees 50 minutes 12 seconds East 50.58 feet, for an arc length of 53.03 feet to a point; thence
- 9) Southeasterly on a curve to the left having a radius of 15.00 feet, a central angle of 43 degrees 11 minutes 35 seconds, a chord of South 63 degrees 49 minutes 10 seconds East 11.04 feet, for an arc length of 11.31 feet to a point; thence

- 10) Northeasterly on a curve to the left having a radius of 450.00 feet, a central angle of 24 degrees 46 minutes 22 seconds, a chord of North 82 degrees 11 minutes 51 seconds East 193.05 feet, for an arc length of 194.56 feet to a point; thence
- 11) Northeasterly on a curve to the left having a radius of 125.00 feet, a central angle of 21 degrees 13 minutes 03 seconds, a chord of North 59 degrees 12 minutes 09 seconds East 46.03 feet, for an arc length of 46.29 feet to a point; thence
- 12) North 74 degrees 34 minutes 02 seconds East 111.79 feet to a point; thence
- 13) North 88 degrees 34 minutes 24 seconds East 205.07 feet to a point; thence
- 14) Partly on said existing conservation easement line, North 60 degrees 28 minutes 12 seconds East 12.35 feet to a point; thence
- 15) Leaving said existing conservation easement, North 84 degrees 04 minutes 14 seconds East 146.20 feet to a point in and along Woodbridge Creek and on said Board of Commerce and Navigation Pierhead and Bulkhead line; thence the following 2 courses are in and along said westerly side of Woodbridge Creek and on said Board of Commerce and Navigation Pierhead and Bulkhead line.
- 16) Partly on the 3<sup>rd</sup> course reversed of Tract 2 described in Deed Book 1325 Page 477, South 06 degrees 03 minutes 21 seconds West 239.20 feet to a point; thence
- 17) Partly on the 2<sup>nd</sup> course reversed of Tract 2 described in Deed Book 1325 Page 477, South 25 degrees 27 minutes 00 seconds East 15.96 feet to a point; thence
- 18) On a new line through existing Tax Lot 1.01 Block 478.02 and continuing through existing Tax Lot 1 Block 478.02 City of Perth Amboy, South 59 degrees 52 minutes 49 seconds West, 80.20 feet to a point; thence the following 10 courses are on a new line through said existing Tax Lot 1 Block 478.02.
- 19) South 46 degrees 01 minutes 15 seconds West, 191.08 feet to a point; thence
- 20) South 80 degrees 44 minutes 26 seconds West, 264.85 feet to a point; thence
- 21) North 55 degrees 55 minutes 45 seconds West, 223.58 feet to a point; thence
- 22) South 75 degrees 42 minutes 59 seconds West, 837.00 feet to a point; thence
- 23) South 30 degrees 32 minutes 26 seconds West, 31.21 feet to a point; thence
- 24) South 14 degrees 18 minutes 30 seconds East, 781.68 feet to a point; thence
- 25) North 75 degrees 41 minutes 30 seconds East, 17.00 feet to a point; thence
- 26) South 14 degrees 18 minutes 08 seconds East, 869.46 feet to a point; thence
- 27) North 73 degrees 51 minutes 00 seconds East, 50.07 feet to a point; thence
- 28) South 14 degrees 18 minutes 08 seconds East, 50.00 feet to a point on the aforementioned northerly right of way line of Maurer Road, 40 feet wide; thence
- 29) On said right of way line, South 73 degrees 51 minutes 00 seconds West 100.00 feet to the point and place of BEGINNING.

Containing 635,114 square feet or 14.5802 Acres.

Being known and designated as Proposed Lot 2 and Lot 2.01 Block 478.02 City of Perth Amboy and Proposed Lot 3.01 Block 523 Woodbridge Township (Proposed Tract B) as it appears on a map entitled, PRELIMINARY AND FINAL MAJOR SUBDIVISION PLAT CHEVRON MAIN YARD TAX LOTS 1, 1.01 AND 1.02 BLOCK 478.01 AND TAX LOTS 1, 1.01 AND 1.02 BLOCK 478.02 THE CITY OF PERTH AMBOY TAX LOT 3 BLOCK 523 TOWNSHIP OF WOODBRIDGE MIDDLESEX COUNTY, NEW JERSEY, Prepared by Borbas Surveying & Mapping, LLC, 402 Main Street, Boonton, New Jersey 07005, J. Peter Borbas, NJ Professional Land Surveyor 24GS03165300, original issue date November 04, 2011 and revised to June 28, 2012. Subdivision was granted preliminary and final approval by the City of Perth Amboy Planning Board on February 1, 2012 and memorialized on April 11, 2012, application number 2951. Subdivision was granted preliminary and final approval by Woodbridge Township on February 29, 2012 and adopted on March 28, 2012, Application: #P11-44.



**Description of Property**  
**Lot 1, Lot 1.02 and Lot 2 Block 478.01 City of Perth Amboy**  
**and Lot 3.03 and Lot 3.04 Block 523 Woodbridge Township**  
**Middlesex County, New Jersey**

BEGINNING at a point on the 2<sup>nd</sup> course of Tract 14 as described in Deed Book 1326 Page 1, being near the northerly side of Spa Spring Creek in its Relocated Bed, said point being the following 7 courses from the northerly right of way line of Maurer Road, 40 foot wide where the same is intersected by the easterly right of way line of Conrail – U.N.J.R.R. & C. Co. Perth Amboy & Woodbridge Branch, 100 feet wide, being witnessed by a Borbas Surveying and Mapping capped iron pipe set; thence

- a) On said easterly line of said Conrail, 100 feet wide and 3<sup>rd</sup> course reversed of Tract 12 described in Deed Book 1326 Page 1, North 14 degrees 18 minutes 30 seconds West, 871.06 feet to a point being witnessed by a Borbas Surveying and Mapping capped iron pipe set; thence
- b) Still on the easterly line of Conrail and on the 2<sup>nd</sup> course reversed of Tract 12 described in Deed Book 1326 Page 1, South 75 degrees 41 minutes 30 seconds West, 17.00 feet to a point being witnessed by a Borbas Surveying and Mapping capped iron pipe set on the easterly right of way line of Conrail; thence
- c) Still on the easterly right of way line of Conrail and partly on the 1<sup>st</sup> course reversed of Tract 12 described in Deed Book 1326 Page 1, North 14 degrees 18 minutes 30 seconds West 1,314.79 feet to a point; thence
- d) North 76 degrees 03 minutes 30 seconds East 7.00 feet to the beginning of the 5<sup>th</sup> course of Tract 14 described in Deed Book 1326 Page 1; thence
- e) On said easterly right of way line of Conrail as shown on MAP OF PROPERTY BELONGING TO CALIFORNIA REFINING COMPANY, prepared by Larson & Fox Civil Engineers, dated September 22, 1949 and revised to March 24, 1950, North 14 degrees 18 minutes 30 seconds West 159.49 feet to the southwesterly corner of Tax Lot 1 Block 523 Woodbridge Township; thence the following 2 courses are on the southerly line of Tax Lot 1 Block 523.
- f) Leaving said easterly right of way line of Conrail and on the 1st course of Tract 14 described in Deed Book 1326 Page 1, North 15 degrees 30 minutes 30 seconds East 95.00 feet to a point; thence
- g) Partly on the 2<sup>nd</sup> course of Tract 14 described in Deed Book 1326 Page 1, North 67 degrees 12 minutes 30 seconds East 432.06 feet the true point and place of BEGINNING; and runs thence
- 1) Partly on the 2<sup>nd</sup> course of Tract 14 as described in Deed Book 1326 Page 1, North 67 degrees 12 minutes 30 seconds East 595.59 feet to a point in Woodbridge Creek; thence

- 2) On the 12<sup>th</sup> course reversed of Tract 3 as described in Deed Book 974 Page 565, North 09 degrees 33 minutes 02 seconds East 10.92 feet to a point on the Board of Commerce and Navigation Pierhead and Bulkhead line; thence the following 11 courses are in and along Woodbridge Creek and on said Board of Commerce and Navigation Pierhead and Bulkhead line.
- 3) On the 11<sup>th</sup> course reversed of Tract 3 described in Deed Book 974 Page 565, North 80 degrees 04 minutes 14 seconds East 60.89 feet to a point; thence
- 4) On the 10<sup>th</sup> course reversed of said Tract 3, North 72 degrees 15 minutes 01 seconds East 152.16 feet to a point; thence
- 5) On the 9<sup>th</sup> course reversed of said Tract 3, North 70 degrees 22 minutes 38 seconds East 202.53 feet to a point; thence
- 6) On the 8<sup>th</sup> course reversed of said Tract 3, North 84 degrees 03 minutes 20 seconds East 81.18 feet to a point; thence
- 7) On the 7<sup>th</sup> course reversed of said Tract 3, South 71 degrees 01 minutes 22 seconds East 25.34 feet to a point; thence
- 8) On the 6<sup>th</sup> course reversed of said Tract 3, South 54 degrees 32 minutes 12 seconds East 121.53 feet to a point; thence
- 9) On the 5<sup>th</sup> course reversed of said Tract 3, South 42 degrees 31 minutes 28 seconds East 114.35 feet to a point; thence
- 10) On the 4<sup>th</sup> course reversed of said Tract 3, South 24 degrees 58 minutes 38 seconds East 138.52 feet to a point; thence
- 11) On the 3<sup>rd</sup> course reversed of said Tract 3, South 04 degrees 35 minutes 18 seconds East 217.26 feet to a point; thence
- 12) On the 2<sup>nd</sup> course reversed of said Tract 3, South 10 degrees 34 minutes 08 seconds West 130.95 feet to a point; thence
- 13) Partly on the 3<sup>rd</sup> course reversed of Tract 2 described in Deed Book 1325 Page 477, South 06 degrees 03 minutes 21 seconds West 36.08 feet; thence
- 14) Leaving said Board of Commerce and Navigation Pierhead and Bulkhead line, South 84 degrees 04 minutes 14 seconds West 146.20 feet to a point on the southerly line of an existing Conservation Easement as described in Deed Book 6192 Page 822; thence the following 11 courses are on said southerly lines of existing Conservation Easement.
- 15) South 60 degrees 28 minutes 12 seconds West 12.35 feet to a point; thence
- 16) South 88 degrees 34 minutes 24 seconds West 205.07 feet to a point; thence
- 17) South 74 degrees 34 minutes 02 seconds West 111.79 feet to a point; thence
- 18) Southwesterly along a curve to the right having a radius of 125.00 feet, a central angle of 21 degrees 13 minutes 03 seconds, a chord of South 59 degrees 12 minutes 09 seconds West 46.03 feet, for an arc length of 46.29 feet to a point; thence

- 19) Southwesterly along a curve to the right having a radius of 450.00 feet, a central angle of 24 degrees 46 minutes 22 seconds, a chord of South 82 degrees 11 minutes 51 seconds West 193.05 feet, for an arc length of 194.56 feet to a point; thence
- 20) Northwesterly along a curve to the right having a radius of 15.00 feet, a central angle of 43 degrees 11 minutes 35 seconds, a chord of North 63 degrees 49 minutes 10 seconds West 11.04 feet, for an arc length of 11.31 feet to a point; thence
- 21) Northwesterly on a curve to the right having a radius of 50.00 feet, a central angle of 60 degrees 46 minutes 21 seconds, a chord of North 11 degrees 50 minutes 12 seconds West 50.58 feet, for an arc length of 53.03 feet to a point; thence
- 22) North 52 degrees 37 minutes 24 seconds West 45.47 feet to a point; thence
- 23) North 74 degrees 19 minutes 01 seconds West 24.34 feet to a point; thence
- 24) South 74 degrees 32 minutes 20 seconds West 387.63 feet to a point; thence
- 25) Northwesterly on a curve to the right having a radius of 15.00 feet, a central angle of 91 degrees 04 minutes 15 seconds, a chord of North 59 degrees 55 minutes 33 seconds West 21.41 feet, for an arc length of 23.84 feet to a point; thence
- 26) On the westerly line of said existing conservation easement and continuing across Woodbridge Township Lot 3 Block 523, North 14 degrees 23 minutes 26 seconds West 417.94 feet to the point and place of BEGINNING.

Containing 718,061 square feet or 16.4844 Acres.

Being known and designated as Proposed Lot 1, Lot 1.02 and Lot 2 Block 478.01 City of Perth Amboy Proposed Lot 3.03 and Lot 3.04 Block 523 Woodbridge Township (Proposed Tract C) as it appears on a map entitled, PRELIMINARY AND FINAL MAJOR SUBDIVISION PLAT CHEVRON MAIN YARD TAX LOTS 1, 1.01 AND 1.02 BLOCK 478.01 AND TAX LOTS 1, 1.01 AND 1.02 BLOCK 478.02 THE CITY OF PERTH AMBOY TAX LOT 3 BLOCK 523 TOWNSHIP OF WOODBRIDGE MIDDLESEX COUNTY, NEW JERSEY, Prepared by Borbas Surveying & Mapping, LLC, 402 Main Street, Boonton, New Jersey 07005, J. Peter Borbas, NJ Professional Land Surveyor 24GS03165300, original issue date November 04, 2011 and revised to June 28, 2012. Subdivision was granted preliminary and final approval by the City of Perth Amboy Planning Board on February 1, 2012 and memorialized on April 11, 2012, application number 2951. Subdivision was granted preliminary and final approval by Woodbridge Township on February 29, 2012 and adopted on March 28, 2012, Application: #P11-44.

**Description of Property**  
**Proposed Lot 3 Block 478.01 City of Perth Amboy and**  
**Proposed Lot 3.02 Block 523 Woodbridge Township**  
**Middlesex County, New Jersey**

BEGINNING on a point in the easterly right of way line of Conrail, 66 feet wide and the northwesterly corner of Proposed Tract B, said point being the following courses "A" through "C" from the northerly right of way of line Maurer Road, 40 foot wide where the same is intersected by the Easterly right of way line of Conrail – U.N.J.R.R. & C. Co. Perth Amboy & Woodbridge Branch, 100 feet wide, said point being witnessed by a Borbas Surveying and Mapping capped iron pipe set and having a NJ State Plane NAD83 grid coordinate North = 620,518.16, East = 556,339.11 U.S. Survey Feet; thence

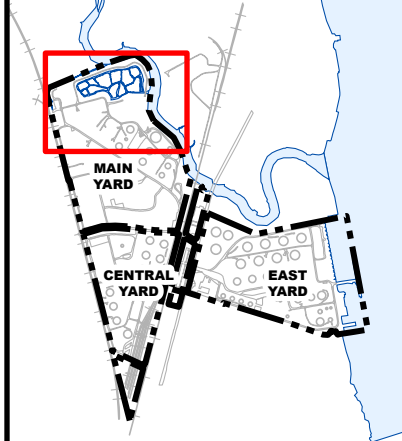
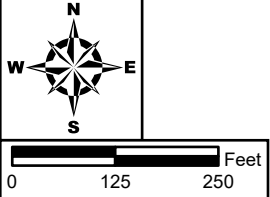
- a) On said easterly line of said Conrail, 100 feet wide and 3<sup>rd</sup> course reversed of Tract 12 described in Deed Book 1326 Page 1, North 14 degrees 18 minutes 30 seconds West, 871.06 feet to a point being witnessed by a Borbas Surveying and Mapping capped iron pipe set; thence
- b) Still on the easterly line of Conrail and on the 2<sup>nd</sup> course reversed of Tract 12 described in Deed Book 1326 Page 1, South 75 degrees 41 minutes 30 seconds West, 17.00 feet to a point being witnessed by a Borbas Surveying and Mapping capped iron pipe set on the easterly right of way line of Conrail; thence
- c) Still on the easterly right of way line of Conrail and partly on the 1<sup>st</sup> course reversed of Tract 12 described in Deed Book 1326 Page 1, North 14 degrees 18 minutes 30 seconds West 1,187.14 feet to the true point and place of BEGINNING; and runs thence the following 3 courses are on the easterly right of way line of Conrail – U.N.J.R.R. & C. Co. Perth Amboy & Woodbridge Branch.
  - 1) North 14 degrees 18 minutes 30 seconds West 127.65 feet to a point being the beginning point of Tract 12 described in Deed Book 1326 Page 1; thence
  - 2) North 76 degrees 03 minutes 30 seconds East 7.00 feet to the beginning of the 5<sup>th</sup> course of Tract 14 described in Deed Book 1326 Page 1; thence
  - 3) On said easterly right of way line of Conrail as shown on MAP OF PROPERTY BELONGING TO CALIFORNIA REFINING COMPANY, prepared by Larson & Fox Civil Engineers, dated September 22, 1949 and revised to March 24, 1950, North 14 degrees 18 minutes 30 seconds West 159.49 feet to the southwesterly corner of Tax Lot 1 Block 523 Woodbridge Township; thence the following 2 courses are on the southerly line of Woodbridge Township Tax Lot 1 Block 523.

- 4) Leaving said easterly right of way of Conrail, on the 1st course of Tract 14 as described in Deed Book 1326 Page 1, North 15 degrees 30 minutes 30 seconds East 95.00 feet to a point; thence
- 5) Partly on the 2<sup>nd</sup> course of Tract 14 described in Deed Book 1326 Page 1, North 67 degrees 12 minutes 30 seconds East 432.06 feet to the northwesterly corner of Proposed Tract C; thence the following 2 courses are on new lines through existing Woodbridge Township Tax Lot 3 Block 523 and the westerly line of an existing conservation easement described in Deed Book 6192 Page 822.
- 6) South 14 degrees 23 minutes 26 seconds East 417.94 feet to a point of curvature; thence
- 7) Southeasterly on a curve to the left having a radius of 15.00 feet, a central angle of 91 degrees 04 minutes 15 seconds, a chord of South 59 degrees 55 minutes 33 seconds East 21.41 feet, for an arc length of 23.84 feet to a point on the northerly line of Proposed Tract B; thence
- 8) On said northerly line of Proposed Tract B, South 75 degrees 39 minutes 07 seconds West 497.47 feet to the point and place of BEGINNING.

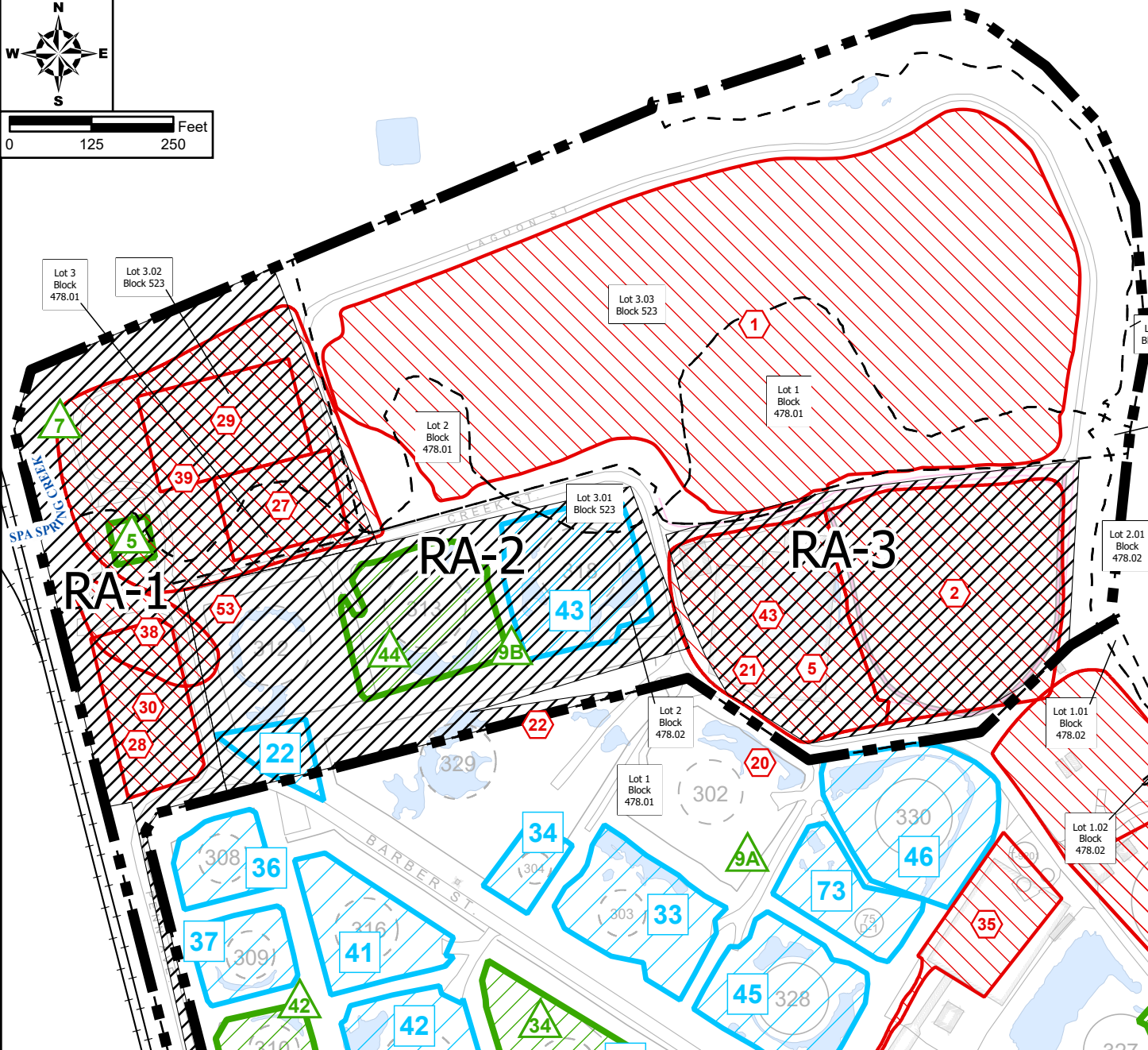
Containing 188,026 square feet or 4.3165 Acres.

Being known and designated as Proposed Lot 3 Block 478.01 City of Perth Amboy and Proposed Lot 3.02 Block 523 Woodbridge Township (Proposed Tract D) as it appears on a map entitled, PRELIMINARY AND FINAL MAJOR SUBDIVISION PLAT CHEVRON MAIN YARD TAX LOTS 1, 1.01 AND 1.02 BLOCK 478.01 AND TAX LOTS 1, 1.01 AND 1.02 BLOCK 478.02 THE CITY OF PERTH AMBOY TAX LOT 3 BLOCK 523 TOWNSHIP OF WOODBRIDGE MIDDLESEX COUNTY, NEW JERSEY, Prepared by Borbas Surveying & Mapping, LLC, 402 Main Street, Boonton, New Jersey 07005, J. Peter Borbas, NJ Professional Land Surveyor 24GS03165300, original issue date November 04, 2011 and revised to June 28, 2012. Subdivision granted preliminary and final approval by the City of Perth Amboy Planning Board on February 1, 2012 and memorialized on April 11, 2012, application number 2951. Subdivision was granted preliminary and final approval by Woodbridge Township on February 29, 2012 and adopted on March 28, 2012, Application: #P11-44.

**Exhibit A-3: Property Maps**



Path: D:\Projects\Chevron\DMS\Projects\MiscMain Yard Deed Notice Chevron Property Restricted Areas.aprx



**Legend**

- Restricted Area
- Chevron Property Boundary
- Tax Parcels LotBlock
- AOC Boundary
- PAOC Boundary
- SWMU Boundary
- Suspected TEL Burial Area
- Railroad

**Tank Status**

- Current
- Demolished
- Tank Berms
- Buildings
- Sheet Piling
- Slurry Wall

	<b>CHEVRON PROPERTY RESTRICTED AREAS MAIN YARD DEED NOTICE</b>	DATE:	DWN:
		5/7/2020	CO
		PROJECT #:	CHKD:
		451534-36300	CK
			FIG #:
			1

## **Exhibit B**

### **Description of Restricted Area**

Exhibit B-1: Restricted Area Maps

Exhibit B-2: Restricted Area Data Table



### ***Site Description***

The Site is identified as Block 478.01 Lots 1, 2, 3, and 1.02, Block 478.02 Lots 2, 2.01, and Block 523 Lots 3.01, 3.02, 3.03, and 3.04 and is identified as the Main Yard portion of the Former Chevron, Perth Amboy Refinery in Perth Amboy, Middlesex County, New Jersey with portions also located in Woodbridge, Middlesex County, New Jersey. The Site has an area of approximately 34.34 acres located in a predominately industrial area of Perth Amboy, NJ and Woodbridge, NJ. The Site location is shown in Figure 1 on a portion of the USGS 7.5-minute topographic quadrangle base map for Perth Amboy, New Jersey.

The property historically supported a multitude of storage tanks, structures, pipelines, and related structures and production equipment but is now vacant land. The property is currently owned and operated by Chevron. The site is bordered by the Woodbridge Creek to the east and commercial/industrial properties to the North, West and South.

### ***Contaminated Area Description***

The presence of fill material is documented based on the PAOC investigation, the RFI, Corrective Measures Study (CMS), and other historic soil borings advanced across the site, as well as review of the NJDEP Historic Fill of the Perth Amboy Quadrangle, Historic Fill Map HFM-62 (NJDEP Land Use Management, New Jersey Geological Survey, 2004). Over large parts of the site, fill covers the land surface. Some of the fill appears to be derived from redistributed on-site glacial deposits. In addition, the North Field/Main Yard has been used for petroleum-related activities since the late 1800s, and much of this area has been filled with petroleum-impacted soils, catalyst beads, and other fill materials. The fill was placed directly on top of marshland and other existing deposits before the construction of surface impoundments and was used to build up dikes around the edges of the impoundments. Consisting largely of sand, with variable amounts of silt, clay, gravel, and miscellaneous debris, the fill may also include ash, construction debris, and catalyst beads. Based on the location of the property relative to several water bodies and the industrial development of the property over time, varying depths of fill can be found throughout the site. In the Main Yard, the thickness of the fill layer varies from 3 to 15 feet, with an average of 8.5 feet.

Site-wide exceedances of soil delineation criteria associated with polycyclic aromatic hydrocarbons (PAHs) (constituents of petroleum), particularly benzo(a)pyrene, are widespread and not always consistent with a pattern of spills and releases, i.e., not attributable to known waste management units. Such contamination is likely associated with the historical practice of filling low areas with potentially impacted dredge spoils, fill, and former Refinery materials to facilitate Refinery expansion.

## **Area of Concern Specific Contamination**

### **Restricted Area RA-2**

Restricted Area RA-2 includes a Corrective Action Management Unit (CAMU) constructed in the former Tank 312 and 313 Basins which includes SWMU 53 and AOCs 9B and 44. The CAMU was constructed in accordance with Facility's USEPA-approved CAMU Application, Revision 2.0, Class 3 Permit Modification Request dated September 2011 and the Facility's Resource Conservation and Recovery Act (RCRA) Permit dated September 2013. The CAMU is used for the management and long-term storage of remediation waste generated as part of the RCRA Corrective Measures Implementation at the Facility. The remediation wastes placed in the CAMU originated in SWMUs and AOCs throughout the facility and are impacted with facility related contaminants at concentrations above the New Jersey Residential Soil Remediation Standards including, but not limited to, benzene, benzo(a)pyrene, arsenic and lead. The CAMU design is based on the requirements of the USEPA CAMU regulations codified in 40 CFR 264.552. The CAMU consists of a composite liner system, a leachate collection and removal system, a final cover system, and a groundwater monitoring system.

The construction of the CAMU on the ground surface in this area effectively isolates the impacted soil beneath the CAMU from contact with people. The final cover system on the CAMU isolates the impacted remediation waste in the CAMU from contact with people.

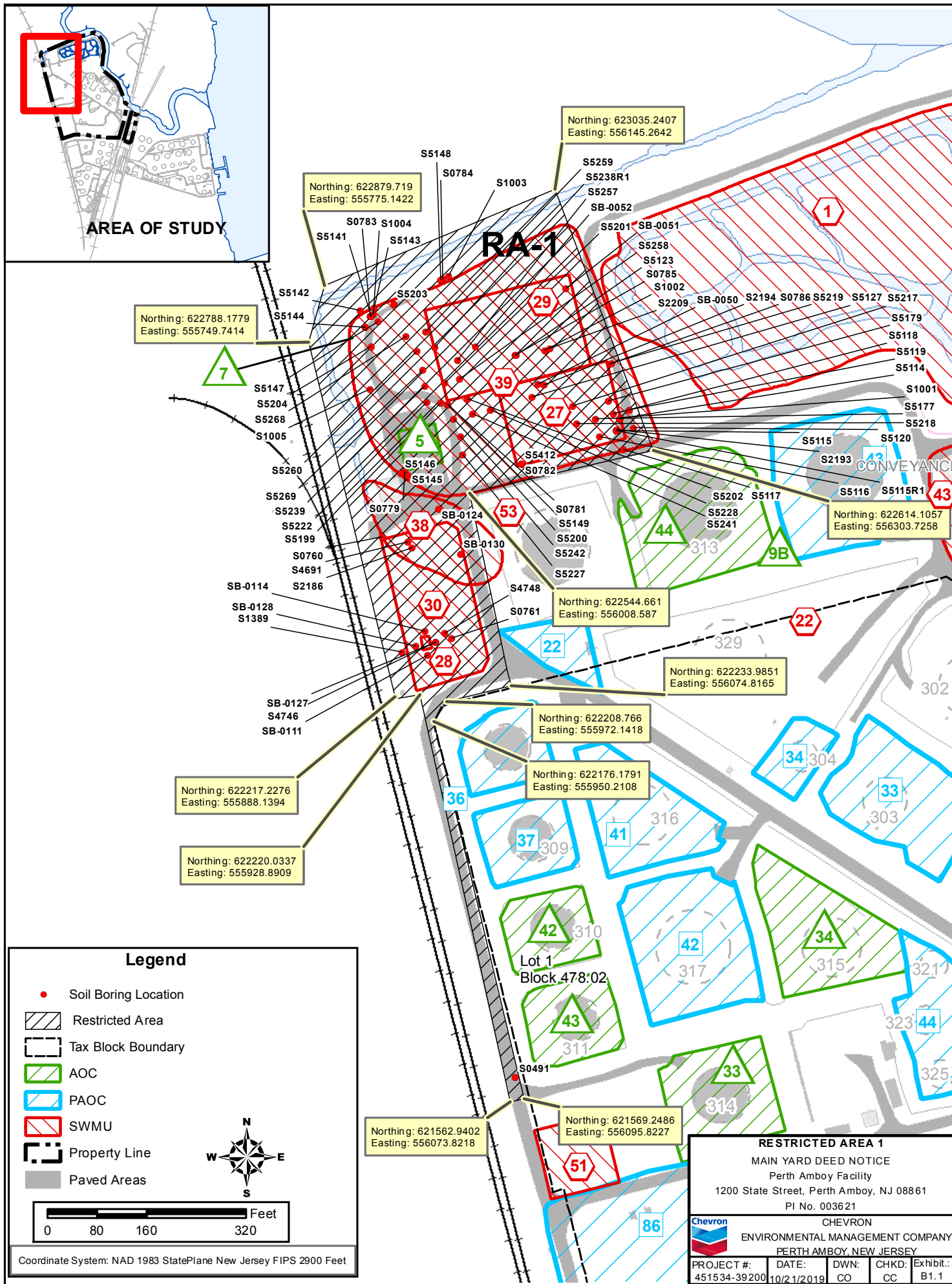
## **Area of Concern Specific Contamination**

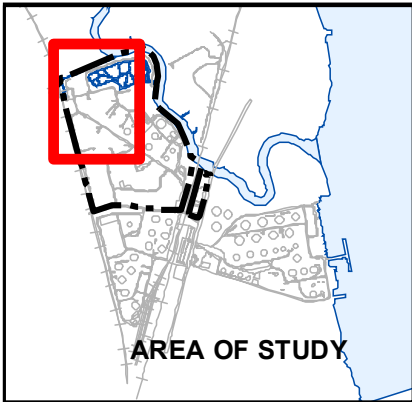
### **Restricted Area RA-3**

Restricted Area RA-3 includes the Surge Pond Solid Waste Management Unit (SWMU). The Surge Pond SWMU is approximately 2.9 acres. The Surge Pond closure included consolidation of two waste management units, the North Field Basin (SWMU 1) and the Surge Pond (SWMU 2), as part of the Resource Conservation and Recovery Act (RCRA) Corrective Action Project Hazardous and Solid Waste Amendments (HSWA) Permit and the New Jersey Pollutant Discharge Elimination System (NJPDDES) – Discharge to Groundwater Permit. The residual material and impacted soil from both basins were treated, solidified, excavated, and consolidated in the Surge Pond. A low-permeability barrier wall was constructed around the footprint of the Surge Pond, an extraction system was installed to maintain an inward gradient, and the Surge Pond was capped with a final cover including a multi-layer soil and geosynthetic system. The NJDEP issued Soil Remedial Action Permit Number 130001 on December 10, 2013 for the Surge Pond to track the Surge Pond SWMU through the post-closure care period. A Deed Notice with engineering controls was recorded for the Surge Pond on September 19, 2013.

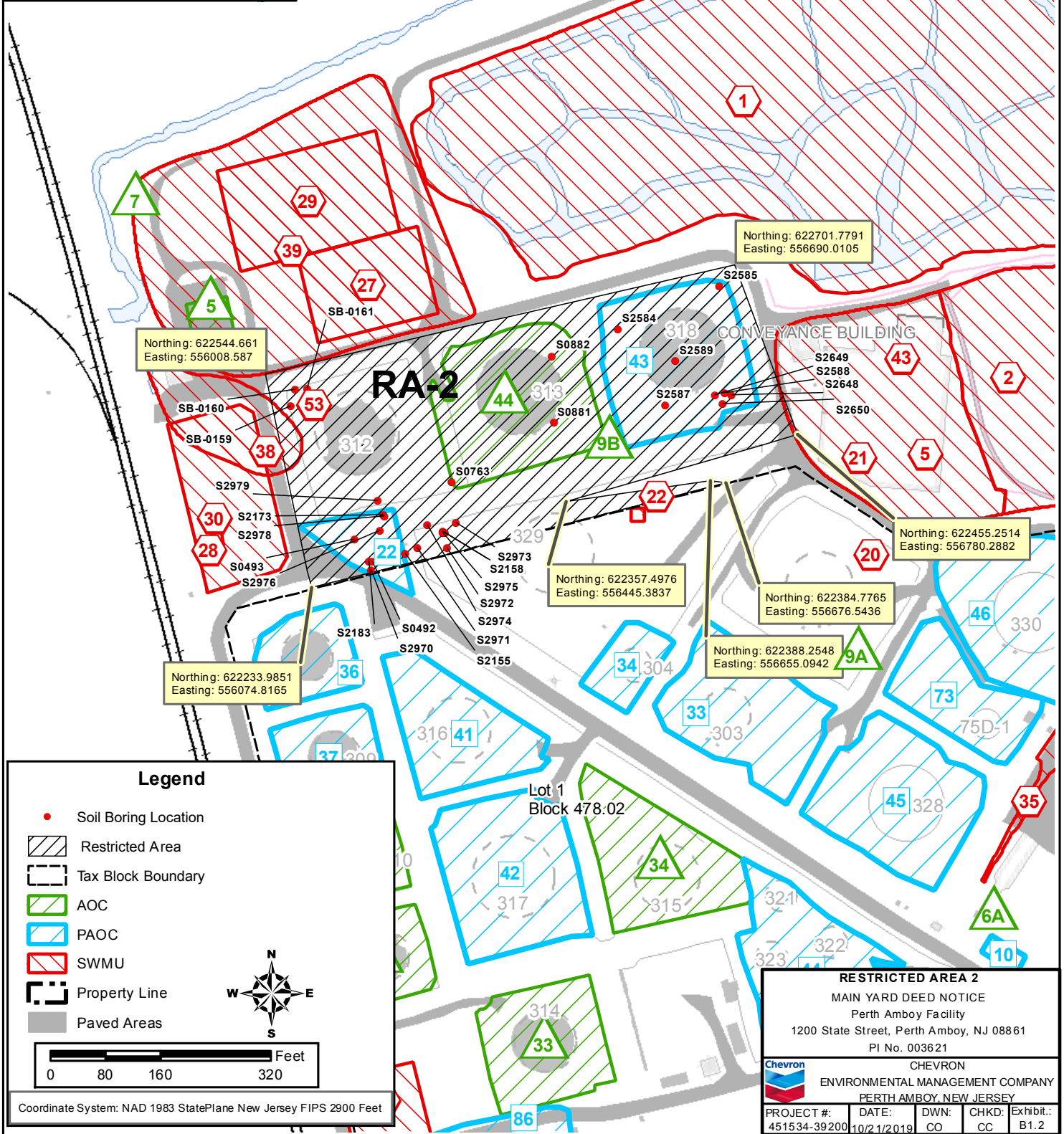
The engineering controls in conjunction with the requirements of the Deed Notice and Soil Remedial Action Permit for the Surge Pond effectively isolate the impacted material from contact with people.

**Exhibit B-1: Restricted Area Maps**

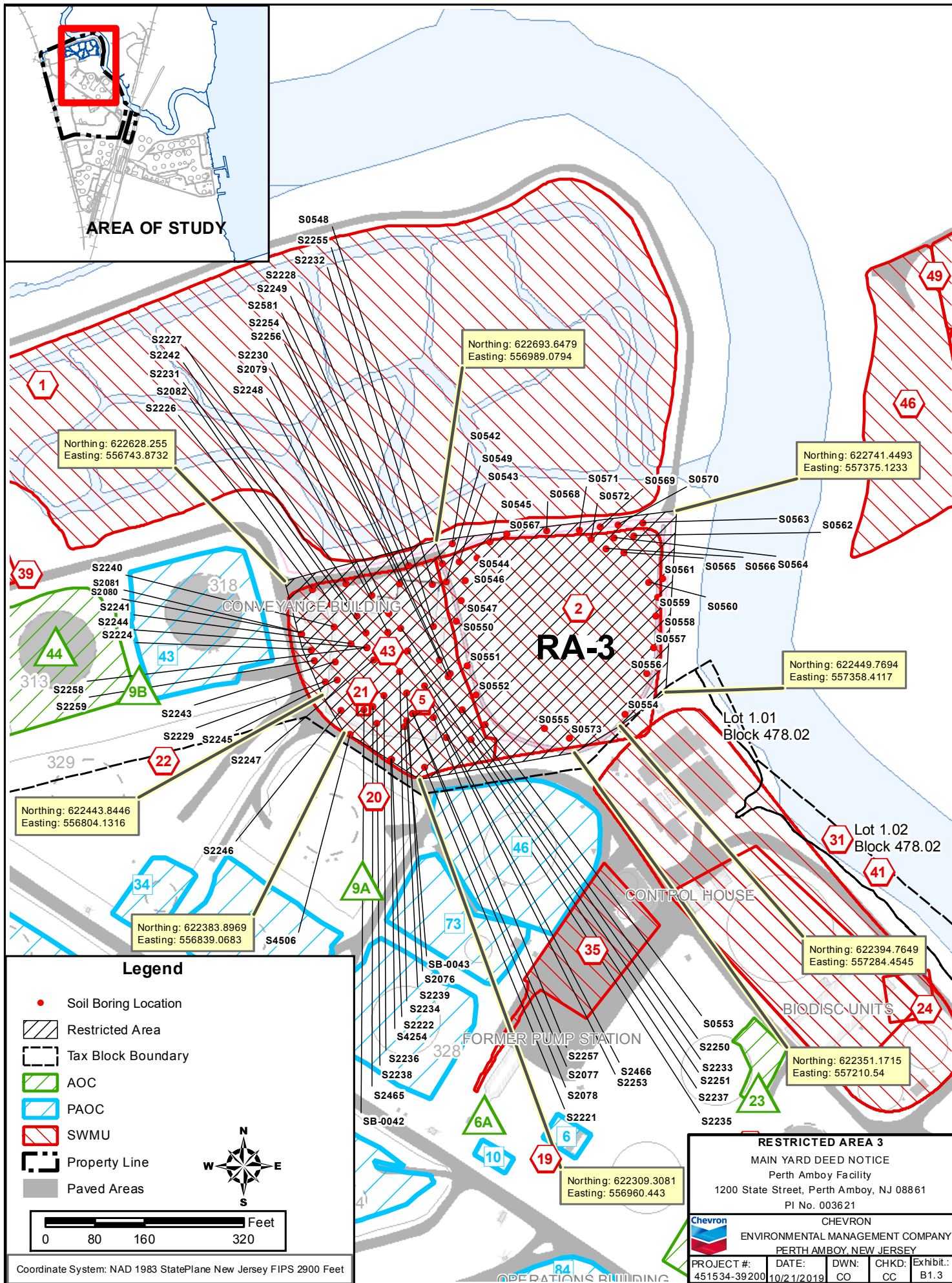




AREA OF STUDY







**Exhibit B-2: Restricted Area Data Table**

Chevron Perth Amboy  
Exhibit B-2  
Contaminants of Concern

Contaminant Name	CAS ID
Acetophenone	98-86-2
Arsenic	7440-38-2
Benzene	71-43-2
Benzo(a)anthracene	56-55-3
Benzo(a)pyrene	50-32-8
Benzo(b)fluoranthene	205-99-2
Dibenz(a,h)anthracene	53-70-3
Indeno(1,2,3-cd)Pyrene	193-39-5
Lead	7439-92-1
Naphthalene	91-20-3
Vanadium	7440-62-2



Chevron Perth Amboy  
Main Yard - Deed Notice  
Restricted Area - 1

Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	SB-0050	SB-0051	SB-0052	SB-0111	SB-0111	SB-0114
			Field Sample ID	SB-0050S-A	SB-0051S-B	SB-0052S-F	SB-0115S-A	SB-0116S-C	SB-0113S-C
			Sample Date	10/30/1995	10/30/1995	10/31/1995	11/22/1995	11/22/1995	11/22/1995
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	2 - 2	2 - 4	10 - 12	0 - 2	4 - 6	4 - 6
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	12.8	-	6	4.8	9
Benzene	5	2		0.35 U	0.34 U	2	0.005 U	0.006 U	0.006 U
Benzo(a)anthracene	2	0.6		<b>2.4</b>	1.1	<b>12</b>	2	0.4	0.94
Benzo(a)pyrene	0.2	0.2		<b>2.2</b>	<b>1</b>	<b>8.6</b>	<b>1.1</b>	<b>0.31</b>	<b>0.82</b>
Benzo(b)fluoranthene	2	0.6		1.7	0.88	<b>5.8</b>	<b>2.8</b>	0.41	1
Dibenz(a,h)anthracene	0.2	0.2		<b>0.24</b>	0.12	21 U	0.14	0.4 U	0.092
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		<b>3880</b>	226	267	44.4	73.4	63.1
Naphthalene	17	6		0.6	0.077	<b>130</b>	0.1	0.076	0.12

Notes:

1. RDCSRS - Residential Direct Contact Soil Remediation Standard
2. NRDCSRS - Non-Residential Direct Contact Soil Remediation Standard
3. AOC - Area of Concern
4. Bold, Shaded and Brackets Indicates exceedance to criteria
5. NA - No Criterion Available for the Analyte

Chevron Perth Amboy  
Main Yard - Deed Notice  
Restricted Area - 1

Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	SB-0124	SB-0127	SB-0128	SB-0130	S0491	S0760
			Field Sample ID	SB-0124S-F	SB-0121S-C	SB-0118S-B	SB-0130S-B	S0491B2	S0760C3L
			Sample Date	11/27/1995	11/27/1995	11/27/1995	11/28/1995	08/13/1999	08/01/2002
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	10 - 12	4 - 6	2 - 4	2 - 4	2.5 - 3	5 - 5.5
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		6.7	10.4	10.6	9.5	10.6	5.12
Benzene	5	2		0.94	0.007 U	0.006 U	0.16	0.64 U	0.133 U
Benzo(a)anthracene	2	0.6		8.3	20	2.9	1.9	1.3	3.24
Benzo(a)pyrene	0.2	0.2		6.8	18	3.5	4.4	1	2.64
Benzo(b)fluoranthene	2	0.6		4.6	17	3.1	1.6	1	3.82
Dibenz(a,h)anthracene	0.2	0.2		8 U	1.8	0.51	0.38 U	0.11 U	0.231
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	0.688
Lead	800	400		52.3	84.4	68.3	98.8	157	17.7
Naphthalene	17	6		41	9.1	0.38 U	0.32	0.59	0.382 U

Chevron Perth Amboy  
Main Yard - Deed Notice  
Restricted Area - 1

Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S0781	S0783	S1001	S1002	S1002	S1003
			Field Sample ID	S0781A4	S0783F2	S1001C4	S1002B4	S1002H1	S1003D1
			Sample Date	07/23/2002	07/22/2002	01/02/2003	01/07/2003	01/07/2003	01/29/2003
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	1.5 - 2	10.5 - 11.0	5.5 - 6	3.5 - 4	14 - 14.5	6 - 6.5
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		22.8	19.4	15.2	23.9	20.9	22.9
Benzene	5	2		0.186	0.152 U	0.16 J	8.0	0.20 U	0.16 U
Benzo(a)anthracene	2	0.6		39.6 U	433 U	11	1.6 J	0.27 J	0.070 J
Benzo(a)pyrene	0.2	0.2		39.6 U	433 U	13	1.6 J	0.26 J	0.061 J
Benzo(b)fluoranthene	2	0.6		39.6 U	433 U	8.0	1.9 J	0.35 J	0.070 J
Dibenz(a,h)anthracene	0.2	0.2		39.6 U	433 U	1.6 J	0.88 U	0.063 J	0.040 U
Indeno(1,2,3-cd)Pyrene	2	0.6		39.6 U	433 U	2.7 J	1.2 J	0.17 J	0.040 U
Lead	800	400		369	377	147	2170	96.4	342
Naphthalene	17	6		39.6 U	433 U	0.42 J	260	0.058 J	0.041 J

Chevron Perth Amboy  
Main Yard - Deed Notice  
Restricted Area - 1

Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S1003	S1004	S1004	S1005	S1389	S2186
			Field Sample ID	S1003E1	S1004E2	S1004E3	S1005E2	S1389D3	S2186D2
			Sample Date	01/29/2003	01/29/2003	01/29/2003	01/21/2003	01/07/2003	10/31/2006
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	8 - 8.5	8.5 - 9	9 - 9.5	8.5 - 9	7 - 7.5	6.5 - 7
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		63.5	29.9	32.5	10.7	-	-
Benzene	5	2		0.28 U	0.19 U	0.23 U	0.21 J	-	-
Benzo(a)anthracene	2	0.6		0.36 U	7.4 J	0.067 J	4.5	7.2	1.3 J
Benzo(a)pyrene	0.2	0.2		0.36 U	7.5 J	0.071 J	5.4	5.6	1.2 J
Benzo(b)fluoranthene	2	0.6		0.36 U	3.9 J	0.074 J	2.3 J	6.8	0.94 J
Dibenz(a,h)anthracene	0.2	0.2		0.36 U	2.4 U	0.060 U	0.41 U	0.81	0.44 U
Indeno(1,2,3-cd)Pyrene	2	0.6		0.36 U	3.0 J	0.060 U	0.41 U	2.3	0.44 U
Lead	800	400		301	394	108	903	-	-
Naphthalene	17	6		0.36 U	2.4 U	0.060 U	1.1 J	0.12 J	0.84 J

Chevron Perth Amboy  
Main Yard - Deed Notice  
Restricted Area - 1

Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S2193	S2194	S2194	S2209	S2209	S4691
			Field Sample ID	S2193F3	S2194A3	S2194A4	S2209B1	S2209B2	S4691A4
			Sample Date	11/02/2006	11/02/2006	11/02/2006	11/07/2006	11/07/2006	04/17/2015
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	11 - 11.5	1 - 1.5	1.5 - 2	2 - 2.5	2.5 - 3	1.5 - 2
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	0.33 J	0.20 J	-	0.28 J	-
Benzo(a)anthracene	2	0.6		14	3.3	5.6	-	2.0 U	-
Benzo(a)pyrene	0.2	0.2		22	3.7	6.4	-	2.9 J	1.5 J
Benzo(b)fluoranthene	2	0.6		12	2.6	4.1	-	2.0 U	-
Dibenz(a,h)anthracene	0.2	0.2		4.9	0.83 J	1.4	-	2.0 U	-
Indeno(1,2,3-cd)Pyrene	2	0.6		5.1	2.1	1.8	-	2.0 U	-
Lead	800	400		-	1100	-	866 J	-	-
Naphthalene	17	6		1.0	0.63 J	0.33 J	-	7.9	-

Chevron Perth Amboy  
Main Yard - Deed Notice  
Restricted Area - 1

Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S4746	S4748	S5114	S5114	S5114	S5114
			Field Sample ID	S4746R1C4	S4748C4	S5114B2	S5114C2	S5114C4	S5114D2
			Sample Date	04/30/2015	04/30/2015	04/21/2016	04/21/2016	04/21/2016	04/21/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	5.5 - 6	5.5 - 6	2.5 - 3	4.5 - 5	5.5 - 6	6.5 - 7
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		12	0.80	14	26	4.9 J-	25
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5114	S5114	S5114	S5115	S5115	S5115
			Field Sample ID	S5114F1	S5114F3	S5114G1	S5115C4	S5115D2	S5115F1
			Sample Date	04/21/2016	04/21/2016	04/21/2016	04/21/2016	04/21/2016	04/21/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	10 - 10.5	11 - 11.5	12 - 12.5	5.5 - 6	6.5 - 7	10 - 10.5
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		7.3	18 J-	0.51	0.24 J	18	4.6 J-
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5115	S5115	S5115R1	S5116	S5117	S5118
			Field Sample ID	S5115F3	S5115G1	S5115R1B2	S5116D2	S5117G1	S5118D4
			Sample Date	04/21/2016	04/21/2016	07/11/2016	04/22/2016	04/22/2016	04/22/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	11 - 11.5	12 - 12.5	2.5 - 3	6.5 - 7	12 - 12.5	7.5 - 8
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		0.59 J	0.75 J	0.3	7.7	0.42	19
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-



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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5118	S5118	S5119	S5119	S5119	S5120
			Field Sample ID	S5118E3	S5118F3	S5119D2	S5119E2	S5119F2	S5120E2
			Sample Date	04/22/2016	04/22/2016	04/25/2016	04/25/2016	04/25/2016	04/25/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	9 - 9.5	11 - 11.5	6.5 - 7	8.5 - 9	10.5 - 11	8.5 - 9
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		18	7.1	8.6 J-	0.32	0.37	14 J
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5120	S5123	S5123	S5127	S5127	S5141
			Field Sample ID	S5120F2	S5123A2	S5123B2	S5127B2	S5217E2	S5141F2
			Sample Date	04/25/2016	04/25/2016	04/25/2016	04/28/2016	06/24/2016	05/04/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	10.5 - 11	0.5 - 1	2.5 - 3	2.5 - 3	8.5 - 9	10.5 - 11
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		1.2	0.3	4.1 J+	-	4 J-	0.63
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	4730	-	-
Naphthalene	17	6		-	-	-	-	-	-

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5142	S5142	S5143	S5144	S5144	S5145
			Field Sample ID	S5142D4	S5142F2	S5143F3	S5144F2	S5144G1	S5145B2
			Sample Date	05/05/2016	05/05/2016	05/05/2016	05/05/2016	05/05/2016	05/05/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	7.5 - 8	10.5 - 11	11 - 11.5	10.5 - 11	12 - 12.5	2.5 - 3
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		0.69 J	0.9 J	13 J	1.5 J	12 J	1.4 J
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5145	S5146	S5146	S5147	S5147	S5148
			Field Sample ID	S5145B3	S5146B2	S5146B3	S5147F2	S5147G1	D0506169
			Sample Date	05/05/2016	05/05/2016	05/05/2016	05/06/2016	05/06/2016	05/06/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	3 - 3.5	2.5 - 3	3 - 3.5	10.5 - 11	12 - 12.5	11 - 11.5
			Associated AOC	AOC 5	AOC 5	AOC 5	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		0.83 J	2.6 J	1.5 J	3.7	1.4	6.5
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5148	S5148	S5149	S5149	S5149	S5149
			Field Sample ID	S5148A2	S5148F3	S5149A4	S5149B2	S5149F4	S5149H1
			Sample Date	05/06/2016	05/06/2016	05/06/2016	05/06/2016	05/06/2016	05/06/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	0.5 - 1	11 - 11.5	1.5 - 2	2.5 - 3	11.5 - 12	14 - 14.5
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		0.23	7.4	1.1	3.5	3.4	16
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5149	S5177	S5177	S5177	S5177	S5179
			Field Sample ID	S5149I2	D0520169B	S5177D4	S5177E2	S5177F2	D0523169
			Sample Date	05/06/2016	05/20/2016	05/20/2016	05/20/2016	05/20/2016	05/23/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	16.5 - 17	8.5 - 9	7.5 - 8	8.5 - 9	10.5 - 11	8.5 - 9
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		12	7.4 J	20	19 J	6.7	8
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5179	S5179	S5179	S5179	S5199	S5199
			Field Sample ID	S5179E1	S5179E2	S5179F2	S5179F3	S5199G1	S5199H1
			Sample Date	05/23/2016	05/23/2016	05/23/2016	05/23/2016	06/07/2016	06/07/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	8 - 8.5	8.5 - 9	10.5 - 11	11 - 11.5	12 - 12.5	14 - 14.5
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		8.3	12	13	9.1	83	15
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5199	S5200	S5200	S5200	S5200	S5201
			Field Sample ID	S5199I1	D0607169	S5200H1	S5200H4	S5200I2	S5201H1
			Sample Date	06/07/2016	06/07/2016	06/07/2016	06/07/2016	06/07/2016	06/07/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	16 - 16.5	14 - 14.5	14 - 14.5	15.5 - 16	16.5 - 17	14 - 14.5
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		5.2	30 J	54 J	1.1	2	0.57
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-



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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5201	S5201	S5202	S5202	S5203	S5204
			Field Sample ID	S5201H4	S5201I2	S5202G1	S5202I2	S5203F3	S5204G1
			Sample Date	06/07/2016	06/07/2016	06/08/2016	06/08/2016	06/08/2016	06/09/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	15.5 - 16	16.5 - 17	12 - 12.5	16.5 - 17	11 - 11.5	12 - 12.5
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		10	12 J-	2	7.2	1.1 J	2.9
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5204	S5217	S5217	S5218	S5219	S5219
			Field Sample ID	S5204G3	D0624169	S5217F2	S5218D4	S5219E2	S5219F2
			Sample Date	06/09/2016	06/24/2016	06/24/2016	06/24/2016	06/24/2016	06/24/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	13 - 13.5	10.5 - 11	10.5 - 11	7.5 - 8	8.5 - 9	10.5 - 11
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		20	3.6 J	1.2 J	9.5	0.97	2.3
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5222	S5222	S5227	S5228	S5238R1	S5238R1
			Field Sample ID	S5222E1	S5222H2	S5227H1	S5228H1	S5238R1G4	S5238R1I2
			Sample Date	06/28/2016	06/28/2016	06/30/2016	06/30/2016	07/12/2016	07/12/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	8 - 8.5	14.5 - 15	14 - 14.5	14 - 14.5	13.5 - 14	16.5 - 17
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		-	2.6	1.6	0.44	5.6	12
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		1370	94.8	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5239	S5239	S5241	S5242	S5257	S5257
			Field Sample ID	S5239H4	S5239I2	S5241H1	S5242G4	S5257H4	S5257I2
			Sample Date	07/19/2016	07/19/2016	07/20/2016	07/20/2016	07/25/2016	07/25/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	15.5 - 16	16.5 - 17	14 - 14.5	13.5 - 14	15.5 - 16	16.5 - 17
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		0.33 J	3.5 J	1.4	4.9	3.1	0.45
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5258	S5259	S5260	S5268	S5269	S5269
			Field Sample ID	S5258H4	S5259B3	S5260I3	S5268F3	S5269G4	S5269H4
			Sample Date	07/26/2016	07/26/2016	07/27/2016	08/08/2016	08/08/2016	08/08/2016
			Mean Surface Elevation(feet)	14.3	14.3	14.3	14.3	14.3	14.3
			Sample Depth (feet)	15.5 - 16	3 - 3.5	17 - 17.5	11 - 11.5	13.5 - 14	15.5 - 16
			Associated AOC	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		-	-	-	-	-	-
Benzo(a)pyrene	0.2	0.2		<b>0.32</b>	<b>5.6</b>	<b>11</b>	<b>7.1</b>	<b>1.1 J-</b>	<b>5.6</b>
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	-	-
Lead	800	400		-	-	-	-	-	-
Naphthalene	17	6		-	-	-	-	-	-

Notes:

1. RDCSRS - Residential Direct Contact Soil Remediation Standard
2. NRDCSRS - Non-Residential Direct Contact Soil Remediation Standard
3. AOC - Area of Concern
4. Bold, Shaded and Brackets Indicates exceedance to criteria
5. NA - No Criterion Available for the Analyte

Chevron Perth Amboy  
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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S5412	S5412
			Field Sample ID	S5412I1	S5412I3
			Sample Date	11/22/2016	11/22/2016
			Mean Surface Elevation(feet)	14.3	14.3
			Sample Depth (feet)	16 - 16.5	17 - 17.5
			Associated AOC	SWMU 39	SWMU 39
				Result (mg/Kg)	Result (mg/Kg)
Arsenic	19	19		-	-
Benzene	5	2		-	-
Benzo(a)anthracene	2	0.6		-	-
Benzo(a)pyrene	0.2	0.2		3.7	0.33 J
Benzo(b)fluoranthene	2	0.6		-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-
Lead	800	400		-	-
Naphthalene	17	6		-	-

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Restricted Area - 2

Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	SB-0159	SB-0161	S0492	S0493	S0881	S0882
			Field Sample ID	SB-0159S-B	SB-0161S-B	S0492B2	S0493B2	S0881B2	S0882A4
			Sample Date	12/08/1995	12/08/1995	08/13/1999	08/13/1999	11/20/2002	11/13/2002
			Mean Surface Elevation(feet)	9.5	9.5	9.5	9.5	9.5	9.5
			Sample Depth (feet)	2 - 4	2 - 4	2.5 - 3	2.5 - 3	2.5 - 3	1.5 - 2
			Associated AOC	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44
				Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
Acetophenone	5	2		-	-	-	-	0.43 U	0.39 U
Arsenic	19	19		-	-	14.6	8.51	<b>29.0</b>	13.5
Benzene	5	2		0.006 U	0.006 U	1.4	0.8 U	1.3	2.4
Benzo(a)anthracene	2	0.6		<b>4.1</b>	1	<b>2.2</b>	0.36	0.26 J	<b>22</b>
Benzo(a)pyrene	0.2	0.2		<b>1.2</b>	<b>0.99</b>	<b>1.2</b>	<b>0.23</b>	0.22 U	<b>6.6</b>
Benzo(b)fluoranthene	2	0.6		1.8	0.8	1.8	0.53	0.22 U	<b>11</b>
Dibenz(a,h)anthracene	0.2	0.2		3.9 U	0.076	0.13	0.13 U	0.22 U	<b>0.51 J</b>
Indeno(1,2,3-cd)Pyrene	2	0.6		-	-	-	-	0.22 U	1.5 J
Naphthalene	17	6		16	0.12	0.24	0.34	2.5	<b>120</b>
Vanadium	1100	78		-	-	84.1	52.8	25.9	121

Notes:

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3. AOC - Area of Concern
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5. NA - No Criterion Available for the Analyte

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Main Yard - Deed Notice  
Restricted Area - 2

Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S2155	S2158	S2173	S2183	S2584	S2585
			Field Sample ID	S2155E4	S2158B4	S2173E1	S2183E3	S2584C2	S2585E4
			Sample Date	10/16/2006	10/17/2006	10/23/2006	10/31/2006	02/18/2009	02/18/2009
			Mean Surface Elevation(feet)	9.5	9.5	9.5	9.5	9.5	9.5
			Sample Depth (feet)	9.5 - 10	3.5 - 4	8 - 8.5	9 - 9.5	4.5 - 5	9.5 - 10
			Associated AOC	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44
				Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
Acetophenone	5	2		4.9 U	0.77 U	0.91 U	0.077 U	0.84 U	0.86 U
Arsenic	19	19		-	-	-	-	25.8	20.7
Benzene	5	2		-	23	28	4.6	0.089 U	5.4
Benzo(a)anthracene	2	0.6		3.1 J	0.69 J	0.46 U	0.064 J	1.0 J	0.43 U
Benzo(a)pyrene	0.2	0.2		2.4 U	0.39 U	0.46 U	0.068 J	0.64 J	0.43 U
Benzo(b)fluoranthene	2	0.6		2.4 U	0.41 J	0.46 U	0.097 J	0.50 J	0.43 U
Dibenz(a,h)anthracene	0.2	0.2		2.4 U	0.39 U	0.46 U	0.039 U	0.42 U	0.43 U
Indeno(1,2,3-cd)Pyrene	2	0.6		2.4 U	0.39 U	0.46 U	0.042 J	0.42 U	0.43 U
Naphthalene	17	6		2.4 U	13	36	20	0.42 U	0.43 U
Vanadium	1100	78		-	-	-	-	125	113



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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S2587	S2588	S2589	S2646	S2648	S2649
			Field Sample ID	S2587C4	S2588E1	S2589E1	S2646C2	S2648E1	S2649E1
			Sample Date	02/18/2009	02/18/2009	02/18/2009	05/10/2012	03/12/2012	03/12/2012
			Mean Surface Elevation(feet)	9.5	9.5	9.5	9.5	9.5	9.5
			Sample Depth (feet)	5.5 - 6	8 - 8.5	8 - 8.5	4.5 - 5	8 - 8.5	8 - 8.5
			Associated AOC	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44
				Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
Acetophenone	5	2		1.1 U	9.8 U	1.8 U	-	-	-
Arsenic	19	19		16.0	22.8	9.60	-	-	-
Benzene	5	2		0.36 J	0.10 U	0.12 J	7.5	-	-
Benzo(a)anthracene	2	0.6		2.0 J	16 J	5.5	-	-	-
Benzo(a)pyrene	0.2	0.2		1.2 J	12 J	4.0 J	-	2.5	0.69
Benzo(b)fluoranthene	2	0.6		0.89 J	14 J	2.0 J	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		0.55 U	4.9 U	0.89 U	-	-	-
Indeno(1,2,3-cd)Pyrene	2	0.6		0.55 U	5.5 J	0.89 U	-	-	-
Naphthalene	17	6		0.55 U	21 J	4.8	-	-	-
Vanadium	1100	78		93.3	2580	178	-	-	-

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S2650	S2970	S2970	S2971	S2973	S2973
			Field Sample ID	S2650E1	S2970D2	S2970F1	S2971C4	S2973C2	S2973E1
			Sample Date	03/12/2012	02/28/2013	02/28/2013	03/20/2013	03/21/2013	03/21/2013
			Mean Surface Elevation(feet)	9.5	9.5	9.5	9.5	9.5	9.5
			Sample Depth (feet)	8 - 8.5	6.5 - 7	10 - 10.5	5.5 - 6	4.5 - 5	8 - 8.5
			Associated AOC	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44
				Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
Acetophenone	5	2		-	0.021 U	-	9.3	-	1.1 U
Arsenic	19	19		-	5.07	-	6.24	-	10.2
Benzene	5	2		-	8.5	7.6 J+	2.6 J	1.0	0.68
Benzo(a)anthracene	2	0.6		-	0.14	-	0.11	-	0.47 J
Benzo(a)pyrene	0.2	0.2		0.48	0.11	-	0.082	-	0.62 J
Benzo(b)fluoranthene	2	0.6		-	0.12 J	-	0.091	-	0.76 J
Dibenz(a,h)anthracene	0.2	0.2		-	0.026	-	0.022 J	-	0.22 U
Indeno(1,2,3-cd)Pyrene	2	0.6		-	0.095 J	-	0.051 J	-	0.22 U
Naphthalene	17	6		-	66	26 J+	7.2 J	36	11
Vanadium	1100	78		-	31.1	-	34.0	-	54.7

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Restricted Area - 2

Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S2974	S2975	S2976	S2978	S2979	S2979
			Field Sample ID	S2974C2	S2975C3	S2976E3	S2978C1	S2979C2	S2979E1
			Sample Date	03/20/2013	07/01/2013	03/21/2013	03/22/2013	07/01/2013	07/01/2013
			Mean Surface Elevation(feet)	9.5	9.5	9.5	9.5	9.5	9.5
			Sample Depth (feet)	4.5 - 5	5 - 5.5	9 - 9.5	4 - 4.5	4.5 - 5	8 - 8.5
			Associated AOC	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44	AOC 9B/44
				Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
Acetophenone	5	2		<b>39</b>	1.2 UJ	2.3 U	5.7 U	2.1 U	1.3 U
Arsenic	19	19		10.4	6.23	8.61	<b>20.9</b>	13.3	18.7
Benzene	5	2		0.84 J+	<b>6.4</b>	1.1 J	3.0	0.12 J	0.15 J
Benzo(a)anthracene	2	0.6		0.32	0.24 UJ	1.4 J	<b>4.3 J</b>	1.2 J	0.47 J
Benzo(a)pyrene	0.2	0.2		0.19	0.24 UJ	<b>0.90 J</b>	<b>2.9 J</b>	<b>0.81 J</b>	<b>0.51 J</b>
Benzo(b)fluoranthene	2	0.6		0.20	0.26 J	0.67 J	<b>3.7 J</b>	1.1 J	0.48 J
Dibenz(a,h)anthracene	0.2	0.2		0.042 J	0.24 UJ	0.46 U	1.1 U	0.43 U	0.26 U
Indeno(1,2,3-cd)Pyrene	2	0.6		0.072 J	0.24 UJ	0.46 U	1.1 U	0.43 U	0.26 U
Naphthalene	17	6		3.0 J+	<b>86</b>	3.9 J	<b>23</b>	1.7	0.48
Vanadium	1100	78		30.3	19.0	118	153	132	98.5

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Main Yard - Deed Notice  
Restricted Area - 3

Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	SB-0042	SB-0043	S2076	S2077	S2078
			Field Sample ID	SB-0042S-D	SB-0043S-E	S2076C1	S2077B1	S2078
			Sample Date	10/17/1995	10/20/1995	06/26/2006	06/26/2006	06/26/2006
			Mean Surface Elevation(feet)	12.0	12.0	12.0	12.0	12.0
			Sample Depth (feet)	6 - 8	8 - 10	4 - 4.5	2 - 2.5	16 - 16.5
			Associated AOC	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2
				Report Result	Report Result	Report Result	Report Result	Report Result
Arsenic	19	19		-	-	-	-	-
Benzene	5	2		1.5 U	1.6 U	1.0	0.072 U	0.12 U
Benzenethiol	NS	NS		0.4 U	2.1 U	-	-	-
Benzo(a)anthracene	2	0.6		2.1	1.7	0.78 J	0.62 J	1.5 J
Benzo(a)pyrene	0.2	0.2		2.6	1.1	0.93 J	0.43 J	1.8
Benzo(b)fluoranthene	2	0.6		1.8	0.82	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		0.66	2.1 U	-	-	-
Lead	800	400		46.8	499	293 J	255 J	115 J
Naphthalene	17	6		8	6.6	2.5	0.39 U	0.31 U

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S2079	S2080	S2082	S2221	S2221
			Field Sample ID	S2079I4	S2080	S2082G4	S2221E1	S2221G2
			Sample Date	06/26/2006	06/26/2006	06/26/2006	11/13/2006	11/13/2006
			Mean Surface Elevation(feet)	12.0	12.0	12.0	12.0	12.0
			Sample Depth (feet)	17.5 - 18	9 - 9.5	13 - 13.5	8 - 8.5	12.5 - 13
			Associated AOC	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2
				Report Result	Report Result	Report Result	Report Result	Report Result
Arsenic	19	19		-	-	-	-	-
Benzene	5	2		5.8 J	0.21 J	1.1	0.066 U	11 J
Benzenethiol	NS	NS		-	-	-	-	-
Benzo(a)anthracene	2	0.6		8.4	1.2 J	4.7 J	3.5	0.10 U
Benzo(a)pyrene	0.2	0.2		12	1.1 J	4.4 J	3.0	0.10 U
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-
Lead	800	400		55.9 J	288 J	213 J	108	51.9
Naphthalene	17	6		32	1.2 J	5.0 J	2.0	0.26 J

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S2222	S2226	S2227	S2227	S2229	S2230
			Field Sample ID	S2222E2	S2226D3	S2227D4	S2227F3	S2229G2	S2230J3
			Sample Date	11/13/2006	11/14/2006	11/14/2006	11/14/2006	11/15/2006	11/15/2006
			Mean Surface Elevation(feet)	12.0	12.0	12.0	12.0	12.0	
			Sample Depth (feet)	8.5 - 9	7 - 7.5	7.5 - 8	11 - 11.5	12.5 - 13	19 - 19.5
			Associated AOC	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2
				Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		0.25 J	0.071 U	0.23 J	0.40 J	0.61 J	0.12 U
Benzenethiol	NS	NS		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		4.1	2.1 J	0.69 J	2.6 J	19 J	0.18 J
Benzo(a)pyrene	0.2	0.2		4.0	1.9 U	0.50 J	2.6 J	22	0.23 J
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Lead	800	400		401	57.0 J	83.0 J	338 J	54.3	23.7
Naphthalene	17	6		0.28	2.4 J	0.39 U	4.8	47	0.58

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S2231	S2232	S2233	S2234	S2235	S2235
			Field Sample ID	S2231E3	S2232E4	S2233G4	S2234F3	S2235D2	S2235G4
			Sample Date	11/15/2006	11/15/2006	11/15/2006	11/16/2006	11/16/2006	11/16/2006
			Mean Surface Elevation(feet)	12.0	12.0	12.0	12.0	12.0	
			Sample Depth (feet)	9 - 9.5	9.5 - 10	13.5 - 14	11 - 11.5	6.5 - 7	13.5 - 14
			Associated AOC	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2
				Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		0.95	2.7	0.16 J	0.084 U	9.8	0.88 J
Benzenethiol	NS	NS		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		1.2 J	1.2 J	0.34	0.38	14	5.8
Benzo(a)pyrene	0.2	0.2		1.2 J	0.82 J	0.47	0.37	12	6.7
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Lead	800	400		191	55.1	14.7	29.3 J	473 J	439 J
Naphthalene	17	6		1.9 J	6.7	1.5	0.044 U	86	31

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Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S2236	S2237	S2238	S2239	S2239	S2240
			Field Sample ID	S2236C2	S2237E4	S2238E1	S2239A3	S2239H1	S2240I1
			Sample Date	11/16/2006	11/16/2006	11/16/2006	11/16/2006	11/16/2006	11/17/2006
			Mean Surface Elevation(feet)	12.0	12.0	12.0	12.0	12.0	
			Sample Depth (feet)	4.5 - 5	9.5 - 10	8 - 8.5	1 - 1.5	14 - 14.5	16 - 16.5
			Associated AOC	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2
				Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		0.071 U	10	0.27 J	0.19 J	0.079 U	3.4
Benzenethiol	NS	NS		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		1.4	7.4	0.73	0.99 J	15	14
Benzo(a)pyrene	0.2	0.2		2.3	8.8	0.91	0.91 J	13	20
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Lead	800	400		87.2 J	437 J	58.7 J	74.3 J	53.8 J	1850
Naphthalene	17	6		1.6	42	0.67	0.55 J	0.21 J	90



Chevron Perth Amboy  
Main Yard - Deed Notice  
Restricted Area - 3

Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S2240	S2241	S2242	S2243	S2244	S2245
			Field Sample ID	S2240I3	S2241G4	S2242H1	S2243H2	S2244E4	S2245G1
			Sample Date	11/17/2006	11/17/2006	11/17/2006	11/17/2006	12/06/2006	12/05/2006
			Mean Surface Elevation(feet)	12.0	12.0	12.0	12.0	12.0	
			Sample Depth (feet)	17 - 17.5	13.5 - 14	14 - 14.5	14.5 - 15	9.5 - 10	12 - 12.5
			Associated AOC	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2
				Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		3.0	17	2.0	9.9	0.074 U	0.55 J
Benzenethiol	NS	NS		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		1.8 J	14	7.9	51	8.6	4.0
Benzo(a)pyrene	0.2	0.2		2.9 J	25	14	61	4.1	4.4
Benzo(b)fluoranthene	2	0.6		-	-	-	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	-	-
Lead	800	400		327	222	88.3	189	151	123
Naphthalene	17	6		25	50	36	100	7.8	11

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Main Yard - Deed Notice  
Restricted Area - 3

Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S2245	S2246	S2247	S2248	S2249
			Field Sample ID	S2245I3	S2246E3	S2247I1	S2248G2	S2249E2
			Sample Date	12/05/2006	12/05/2006	12/06/2006	12/06/2006	01/15/2007
			Mean Surface Elevation(feet)	12.0	12.0	12.0	12.0	12.0
			Sample Depth (feet)	17 - 17.5	9 - 9.5	16 - 16.5	12.5 - 13	8.5 - 9
			Associated AOC	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2
				Report Result	Report Result	Report Result	Report Result	Report Result
Arsenic	19	19		-	-	-	-	-
Benzene	5	2		0.081 U	34 J	4.4	0.37 J	82 J
Benzenethiol	NS	NS		-	-	-	-	-
Benzo(a)anthracene	2	0.6		1.9	28	18	4.2	14
Benzo(a)pyrene	0.2	0.2		1.5	19 J	24	6.5	9.3 J
Benzo(b)fluoranthene	2	0.6		-	-	-	-	4.4 J
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	-	2.6 U
Lead	800	400		102	1310	292	13.9	433
Naphthalene	17	6		0.48	160	11	13	18

Chevron Perth Amboy  
Main Yard - Deed Notice  
Restricted Area - 3

Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S2249	S2249	S2250	S2250	S2253
			Field Sample ID	S2249PPT2E2	S2249RG2	S2250D4	S2250PPT2D4	S2253E2
			Sample Date	03/19/2009	03/05/2008	01/15/2007	03/19/2009	01/16/2007
			Mean Surface Elevation(feet)	12.0	12.0	12.0	12.0	12.0
			Sample Depth (feet)	8.5 - 9	12.5 - 13	7.5 - 8	7.5 - 8	8.5 - 9
			Associated AOC	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2
				Report Result	Report Result	Report Result	Report Result	Report Result
Arsenic	19	19		-	-	-	-	-
Benzene	5	2		30 J	1000	3.9	0.36 J	0.074 U
Benzenethiol	NS	NS		-	-	-	-	-
Benzo(a)anthracene	2	0.6		8.7 J	6.2 J	4.2	1.4 J	0.79 J
Benzo(a)pyrene	0.2	0.2		6.6 J	4 J	3.1	1.4 J	0.84 J
Benzo(b)fluoranthene	2	0.6		4.5 J	3 J	-	0.86 J	-
Dibenz(a,h)anthracene	0.2	0.2		3.3 U	2.9 U	-	0.52 U	-
Lead	800	400		-	3190	843	-	133
Naphthalene	17	6		180	230	38	8.6	0.39 U

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Main Yard - Deed Notice  
Restricted Area - 3

Parameter Name	NJ NRDCSRs (mg/Kg)	NJ RDCSRs (mg/Kg)	Location ID	S2254	S2254	S2255	S2256	S2256
			Field Sample ID	S2254E2	S2254PPT2E2	S2255G3	S2256F4	S2256L1
			Sample Date	01/16/2007	03/18/2009	01/16/2007	01/16/2007	01/16/2007
			Mean Surface Elevation(feet)	12.0	12.0	12.0	12.0	12.0
			Sample Depth (feet)	8.5 - 9	8.5 - 9	9 - 9.5	11.5 - 12	22 - 22.5
			Associated AOC	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2
				Report Result	Report Result	Report Result	Report Result	Report Result
Arsenic	19	19		-	-	-	-	-
Benzene	5	2		17 J	0.60 J	3.2	12	0.39 J
Benzenethiol	NS	NS		-	-	-	-	-
Benzo(a)anthracene	2	0.6		7.7	0.46 U	5.0	29	1.3 J
Benzo(a)pyrene	0.2	0.2		6.2	0.49 J	6.3	45	2.1 J
Benzo(b)fluoranthene	2	0.6		-	0.46 U	-	-	-
Dibenz(a,h)anthracene	0.2	0.2		-	0.46 U	-	-	-
Lead	800	400		286	-	123	1240	121
Naphthalene	17	6		110	2.4	23	270	11

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Main Yard - Deed Notice  
Restricted Area - 3

Parameter Name	NJ NRDCSRS (mg/Kg)	NJ RDCSRS (mg/Kg)	Location ID	S2257	S2258	S2259	S2465	S2466	S2581
			Field Sample ID	S2257F4	S2258H1	S2259H2	S2465H2	S2466G2	S2581RE1
			Sample Date	01/17/2007	01/17/2007	01/17/2007	09/14/2007	09/14/2007	06/19/2008
			Mean Surface Elevation(feet)	12.0	12.0	12.0	12.0	12.0	12.0
			Sample Depth (feet)	11.5 - 12	14 - 14.5	14.5 - 15	14.5 - 15	12.5 - 13	8 - 8.5
			Associated AOC	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2	SWMU 2
				Report Result	Report Result	Report Result	Report Result	Report Result	Report Result
Arsenic	19	19		-	-	-	-	-	-
Benzene	5	2		1.3	<b>8.7</b>	0.24 J	0.075 U	<b>5.5</b>	<b>39</b>
Benzenethiol	NS	NS		-	-	-	-	-	-
Benzo(a)anthracene	2	0.6		2.0 J	<b>5.9</b>	<b>19</b>	<b>3.9 J</b>	-	<b>7.0</b>
Benzo(a)pyrene	0.2	0.2		<b>1.3 J</b>	<b>9.1</b>	<b>28</b>	2.0 U	2.8 U	<b>4.9</b>
Benzo(b)fluoranthene	2	0.6		-	-	-	2.0 U	2.8 U	<b>2.8</b>
Dibenz(a,h)anthracene	0.2	0.2		-	-	-	2.0 U	2.8 U	<b>1.2 J</b>
Lead	800	400		<b>941</b>	<b>2060</b>	92.1	-	<b>3010</b>	-
Naphthalene	17	6		<b>27</b>	<b>18</b>	1.7 J	0.22 J	<b>40</b>	<b>48</b>

Notes:

1. RDCSRS - Residential Direct Contact Soil Remediation Standard
2. NRDCSRS - Non-Residential Direct Contact Soil Remediation Standard
3. AOC - Area of Concern
4. Bold, Shaded and Brackets Indicates exceedance to criteria
5. NA - No Criterion Available for the Analyte

Chevron Perth Amboy  
Main Yard - Deed Notice  
Restricted Area - 3

Parameter Name	NJ NRDCSRs (mg/Kg)	NJ RDCSRs (mg/Kg)	Location ID	S4254	S4506
			Field Sample ID	S4254B1	S4506A4
			Sample Date	03/17/2014	07/30/2014
			Mean Surface Elevation(feet)	12.0	12.0
			Sample Depth (feet)	2 - 2.5	1.5 - 2
			Associated AOC	SWMU 2	SWMU 2
				Report Result	Report Result
Arsenic	19	19		19.6 J	32.9
Benzene	5	2		-	-
Benzenethiol	NS	NS		-	-
Benzo(a)anthracene	2	0.6		-	-
Benzo(a)pyrene	0.2	0.2		-	-
Benzo(b)fluoranthene	2	0.6		-	-
Dibenz(a,h)anthracene	0.2	0.2		-	-
Lead	800	400		-	295
Naphthalene	17	6		-	-

## **Exhibit C**

### **Narrative Description of Institutional and Engineering Controls**

Exhibit C-1: Narrative Description of Institutional Controls – Deed Notice

Exhibit C-2: Narrative Description of Engineering Controls – Fencing

Exhibit C-3: Narrative Description of Engineering Controls – Physical Barriers

Exhibit C-4: Narrative Description of Engineering Controls – Signage

**Exhibit C-1: Narrative Description of Institutional Controls – Deed Notice**



## Exhibit C-1

### Narrative Description of Institutional Control – Deed Notice

This Deed Notice (DN) is an institutional control for the Property. This DN sets forth the location of the impacted soils which exceed NJDEP Direct Contact Soil Remediation Standard (SRS).

The Engineering Controls are described in detail in C-2, C-3, and C-4.

The engineering controls (capping contaminant of concern concentrations exceeding NJDEP non-residential soil remediation standard) includes physical barriers, fencing and signage. Restricted areas are shown in Exhibit B-1.1 through B-1.3, along with specific contaminant concentrations for samples collected from these areas.

The Responsible Party will conduct monitoring for compliance and effectiveness of the institutional and engineering controls specified in this document and will submit a certification to the Department once every two years from the date of the Response Action Outcome letter in writing that the institutional and engineering control is being properly maintained and continues to be protective of public health and safety and the environment. The current and subsequent owners and lessees will be advised of the conditions and provided copies of the Deed Notice.

*(A) Description and estimated size of the Restricted Area as described above:*

The Restricted Areas depicted in Exhibit B-1.1 through Exhibit B-1.3 encompasses the total areas described below:

Restricted Area ID	Exhibit	Size (sq ft)	Size (acres)	Description
RA-1	B1.1	262,289	6.02	Encompasses portions of AOC 5 and 7, and SWMU 29, 39 and 27
RA-2	B1.2	216,456	4.97	Encompasses portions of TB 312, 313, 318, AOC 44 and 9B, PAOC 41 and 22, and SWMU 53 and 38
RA-3	B1.3	198,754	4.56	Encompasses portions of SWMU 43, 21, 5 and 2 and the entire Conveyance Building Footprint

*(A) Description of the restrictions on the Property by operation of this Deed Notice; and the restriction of the Property by operation of this Deed Notice include the following:*

- a. Any penetrations into the capped area in the restricted areas
- b. No excavations or removal of surface/subsurface soils from this area of the Property unless specifically approved by the Department and conducted through the LSRP oversight program.

*(B) Engineering Controls and Maintenance/Repair Schedule*

**a. Control Descriptions**

See Attached Exhibit C-2, C-3 and C-4

**b. Maintenance/Repair Schedule**

Annual monitoring and maintenance will be implemented to ensure the integrity of the engineering controls in the restricted areas. The monitoring schedule will be implemented as part of the routine maintenance of the Property. The restricted areas will be inspected for signs of soil/vegetation disturbances. Necessary repairs will be implemented within fifteen (15) days, weather permitting. The Responsible Party will document in a logbook the results of all inspections and maintenance and any disturbances of the controls. The logbook will be available on the Property to the NJDEP upon request.

**c. Control Disturbance**

If the engineering controls are disturbed as a result of utility installation/repair, site improvement or other below grade work that may be necessary, the engineering controls will be restored according to the following procedure:

1. Underlying contaminated historic fill material containing soils will be removed, as necessary, and staged separately on top of plastic; if work cannot be completed in the same day, the fill pile will be covered with plastic to limit contact with the elements.
2. Dust control measures will be implemented in the work area by wetting the soil as necessary.
3. Upon completion of work, the cap will be restored by returning the staged contaminated soil to the excavation, compacting and covering the fill as appropriate.

If the generation of surplus contaminated soil cannot be avoided, this material shall be staged as described in item 3 above and disposed of off-site in accordance with applicable NJDEP protocols.

**d. Biennial Certification/Reporting**

Pursuant to NJSA 58:10B-13.1, monitoring for compliance and effectiveness of the institutional and engineering control(s) shall be conducted and presented in a NJDEP Remedial Action Protectiveness/Biennial Certification Form – Soil and submitted to the New Jersey Department of Environmental Protection. The certification shall document and reaffirm that:

1. The engineering and institutional controls are being properly maintained and continue to be protective of public health and safety and of the environment.
2. The land use is consistent with the restrictions of this Deed Notice.

**Exhibit C-2: Narrative Description of Engineering Controls – Fencing**

## **Exhibit C-2**

### **Engineering Controls - Fencing**

Engineering controls restricting contact with impacted soil include a fence around the Main Yard perimeter. Overall, the site is a restricted facility which maintains 24-hour security and prohibits unauthorized entry from the public or other untrained individuals.

- **Restricted Area 1,**
  - ❖ Encompasses portions of AOC -5, 7, SWMU - 1, 27, 28, 29, 30, 38, 39 as shown on Exhibit B1.1. Restricted Area 1 is within the fenced portion of the Main Yard. The existing fencing will effectively isolate the impacted soil from contact with people. Impacted soil extends from the surface to approximately 17.5 feet below grade.
- **Restricted Area 2,**
  - ❖ Encompasses portions of AOC- 9B, 44, PAOC- 22, 43, TB - 312, 313, 318 as shown in Exhibit B1.2. Restricted Area 2 is within the fenced portion of the Main Yard. The existing fencing will effectively isolate the impacted soil from contact with people. Impacted soil extends from the surface to approximately 1.5 to 10 feet below grade.
- **Restricted Area 3,**
  - ❖ Encompasses portions of SWMU - 2, 5, 21, 43 as shown in Exhibit B1.3 as shown in Exhibit B1.3. Restricted Area 3 is within the fenced portion of the Main Yard. The existing fencing will effectively isolate the impacted soil from contact with people. Impacted soil extends from 1.5 to approximately 16.5 feet below grade.

**Exhibit C-3: Narrative Description of Engineering Controls – Physical Barriers**

### **Exhibit C-3**

#### **Engineering Controls – Physical Barriers**

Engineering controls restricting contact with impacted soil include a variety of cover types. Each Restricted Area has a combination of low permeability and permeable surfaces:

- **Restricted Area 1,**
  - ❖ impacted soil is partially covered with low permeability pavement in a portion of AOC -5, 7, SWMU - 1, 27, 28, 29, 30, 38, 39. The remainder of Restricted Area 1 is covered with permeable rip rap, vegetation or soil. The low permeability paved areas and rip rap cover will effectively isolate the impacted soil from contact with people. Impacted soil extends from the surface to approximately 17.5 feet below grade.
- **Restricted Area 2,**
  - ❖ Impacted soil is partially covered with low permeability pavement in portions of AOC- 9B, 44, PAOC- 22, 43 and TB - 312, 313, 318. The remainder of Restricted Area 2 is covered with permeable rip rap, tank berms, vegetation, or soil. The low permeability pavement, rip rap, tank berms and vegetation will effectively isolate the impacted soil from contact with people. Impacted soil extends from 1.5 to approximately 10 feet below grade.
- **Restricted Area 3,**
  - ❖ contains low permeability pavement such as portions of SWMU - 2, 5, 21, 43. The remainder of Restricted Area 3 is covered with permeable rip rap, vegetation, or soil. The low permeability pavement, rip rap and vegetation will effectively isolate the impacted soil from contact with people. Impacted soil extends from 1.5 to approximately 16.5 feet below grade.

**Exhibit C-4: Narrative Description of Engineering Controls – Signage**

## **Exhibit C-4**

### **Engineering/Institutional Controls - Signage**

Engineering/Institutional controls restricting access to impacted soil includes posting signage where contaminated soil may be exposed at the surface:

- **Restricted Area 1,**
  - ❖ as shown on Exhibit B1.1, is covered with low permeability pavement, permeable rip rap, tank berms, or soil. Where impacted soil is not covered with low permeability cover, signs will be placed to alert workers of remaining impacted soil. Impacted soil extends from the surface to approximately 17.5 feet below grade.
- **Restricted Area 2,**
  - ❖ as shown on Exhibit B1.2, is covered with low permeability pavement, permeable rip rap, or soil. Where impacted soil is not covered with low permeability cover, signs will be placed to alert workers of remaining impacted soil. Impacted soil extends from 1.5 to approximately 10 feet below grade.
- **Restricted Area 3,**
  - ❖ as shown on Exhibit B1.3, is covered with low permeability pavement, permeable rip rap, or soil. Where impacted soil is not covered with low permeability cover, signs will be placed to alert workers of remaining impacted soil. Impacted soil extends from 1.5 to approximately 16.5 feet below grade.